



MyEyedro

USER GUIDE

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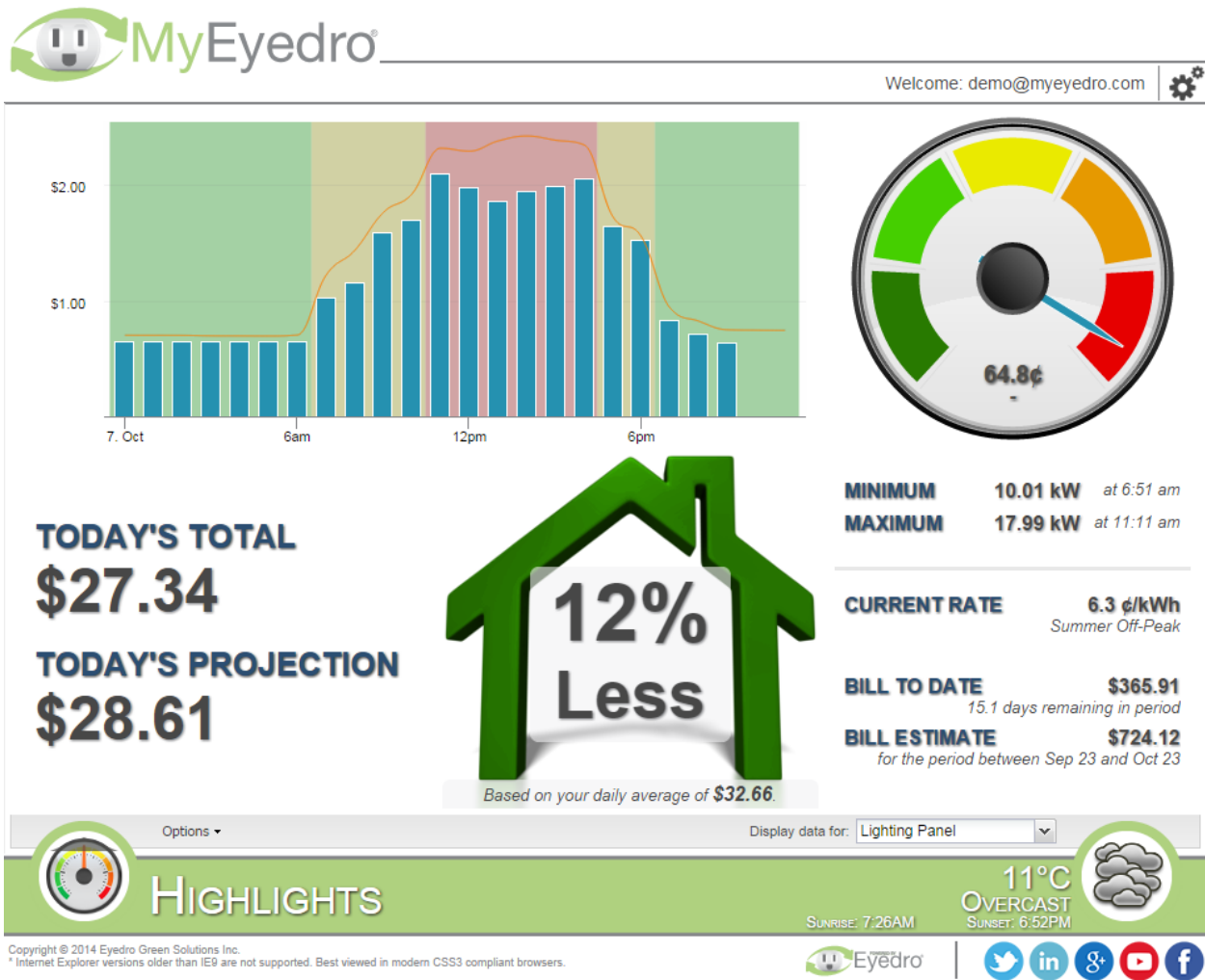
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INTRODUCTION

The first step to reducing your electric utility bill is to understand where all the electricity is going. Actually seeing when electricity is being used and which appliances are responsible is the key to **actionable cost savings**.



MyEyedro is a cloud service that improves on the existing real-time electricity monitoring service by Eyedro Green Solutions Inc. It provides users of different (home and business) electricity monitors a portal to view and track your day-to-day electricity usage. Check your real-time consumption and costs, review historical data, challenge your friends, and much more.

MyEyedro has been designed to be compatible with today's most popular internet browsers: Chrome, Safari, Firefox, Internet Explorer (v9+), and Opera.

All instructions in this manual require a personal computer with internet access. Instructions will assume that your computer is turned on and you have used your web browser to go to: <https://myeyedro.com> to create and/or access your account.

MYEYEDRO USER GUIDE

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MYEYEDRO.COM IS INTENDED TO BE USED TO PROVIDE VISIBILITY AND INCREASE AWARENESS OF ELECTRICITY CONSUMPTION WITHIN THE BUILDING AND AS AN ADDITIONAL RESOURCE TO APPROXIMATE UTILITY COSTS. IT IS NOT INTENDED TO REPLACE THE UTILITY BILL NOR IS ANY HARDWARE ASSOCIATED WITH YOUR ACCOUNT INTENDED TO REPLACE THE ELECTRICITY METER FOR THE BUILDING – UNLESS OTHERWISE EXPLICITLY STATED.

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ACCOUNT ACCESS

CREATING A MYEYEDRO USER ACCOUNT

The screenshot shows the 'Join MyEyedro today!' registration form. It includes fields for Email address, Confirm email, Password, and Confirm password. There is a checkbox for 'Remember me on this computer' and a 'Create my account' button. Below the button, there is a disclaimer about Terms of Use and Privacy Policy, and links for users who are not sure what MyEyedro is or already have an account. Labels A through F are placed on the right side of the form, pointing to specific elements: A points to the Email address field, B points to the Confirm email field, C points to the Password field, D points to the Confirm password field, E points to the 'Remember me on this computer' checkbox, and F points to the 'Create my account' button.

Join MyEyedro today!

Email address:

Please confirm email:

Password:

Please confirm password:

☐ Remember me on this computer

Create my account

By creating an account you are agreeing to the [Terms of Use](#) and [Privacy Policy](#) of Eyedro Green Solutions Inc.

Not sure what MyEyedro is... [Learn more here >>](#)
I already have an account... [Sign me in >>](#)

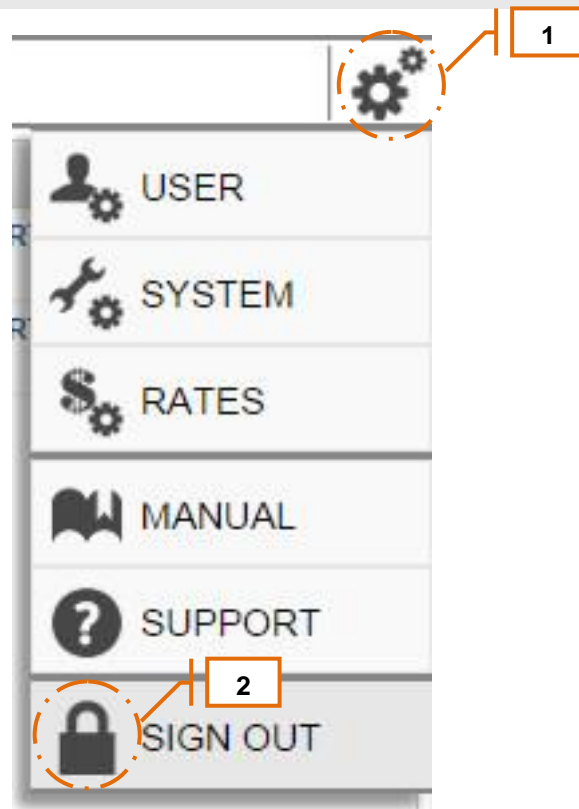
1. Go to MyEyedro.com and click on the **Sign up now** link OR go directly to MyEyedro.com/SignUp
2. Create a new user account:
 - a. Enter a valid **Email address**.
 - **NOTE:** the email address entered here will become your MyEyedro user account.
 - b. Confirm **Email address**.
 - c. Enter a **Password**.
 - d. Confirm **Password**.
 - e. **Optionally**, select the **Remember me** option and your credentials will be stored as a cookie in your browser for future sessions.
 - f. Click **Create my account**.
 - **NOTE:** By creating a MyEyedro user account you are agreeing to the Terms of Use and Privacy Policy.
3. On successful completion, a welcome message will appear and you will be automatically signed in to your new user account. A welcome email will also be sent to the email specified in the user account.

SIGN IN TO MYEYEDRO

The screenshot shows the 'Sign in to MyEyedro' page. On the left is the MyEyedro logo, which consists of a stylized eye with a green iris and a grey robot face. To the right of the logo is the title 'Sign in to MyEyedro'. Below the title are two input fields: 'Email' and 'Password'. Below these fields is a 'Sign In' button. To the right of the 'Sign In' button is a checkbox labeled 'Remember me' and a link labeled 'Forgot password?'. Below these elements are two links: 'New to MyEyedro? Sign up now >>' and 'Just visiting? Take me to the demo >>'. Five numbered callouts are present: 'A' and 'B' are in a box pointing to the logo; 'C' is in a box pointing to the 'Sign In' button; 'D' is in a box pointing to the 'Remember me' checkbox; and 'E' is in a box pointing to the 'Forgot password?' link.

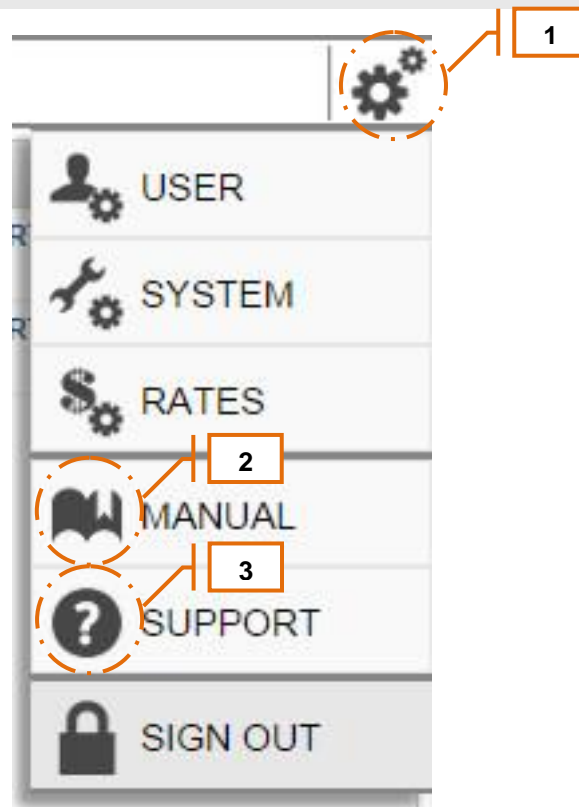
1. Go to MyEyedro.com.
 2. Enter your account credentials:
 - a. Enter your **Email** address
 - b. Enter your **Password**
 - c. Click **Sign In**
 - d. **Optionally**, select the **Remember Me** option and your credentials will be stored as a cookie in your browser for future sessions.
 - e. **Optionally**, select the **Forgot password** link to have a temporary password assigned and emailed to your user account email address.
- **NOTE:** A user account must have been successfully created, following the instructions outlined in this manual, before you will be able to sign in to MyEyedro.com

SIGN OUT OF MYEYEDRO



1. From within the MyEyedro client, hover over the **configuration button** (gears in the top right corner) to display the configuration menu.
 2. Click **Sign Out**.
- **NOTE:** You will automatically be signed out of your account when you close your browser or after several hours of inactivity

ACCESSING HELP AND SUPPORT




1. From within the MyEyedro client, hover over the **configuration button** (gears in the top right corner) to display the configuration menu.
2. To access the user manual (this document), click **Manual**. A new tab will open in your browser and the user manual will be displayed.
3. To access the support website, click **Support**. A new tab will open in your browser and you will be directed to the support website.

USER CONFIGURATION

The User Configuration page manages personal information for your user account that is used by the MyEyedro client software. Most information in this page is optional but some is required for certain features of the MyEyedro client.

Email Address:
demo@myeyedro.com
Change Password

Regional Info
Preferences
Contact Info
Alert Options




REGIONAL INFORMATION

Regional information is used to display data in your preferred local settings. This data is optional, but by filling it out you can improve your user experience.

Some functionality may be limited (or not available) if this information is not specified.


Timezone:
(UTC-05:00) Eastern Time (US & Canada)
Language:
English (United States)
Currency:
Dollar (\$)
Units of Measure:
☐ Metric ☒ US
Country:
United States
State/Province:
New York
City:
New York
Zip/Postal:
10007

Delete User Account
Restore Defaults
Done

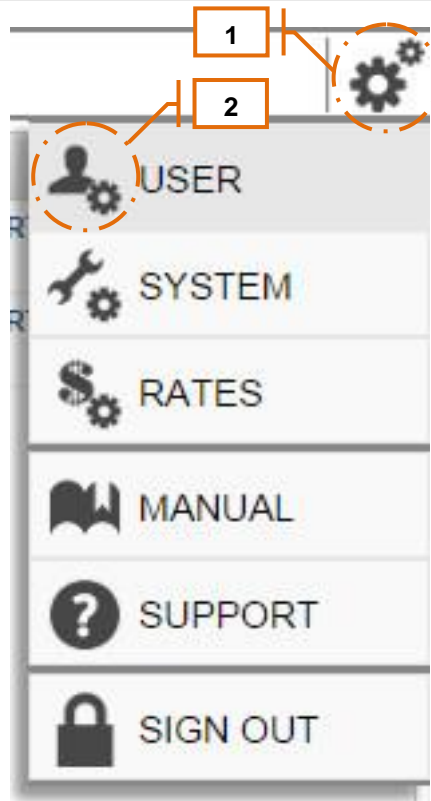


USER SETTINGS

81°F
CLEAR
SUNRISE: 6:47AM
SUNSET: 6:46PM



TO OPEN THE USER CONFIGURATION DIALOG



1. From within the MyEyedro client, hover over the **configuration button** (gears in the top right corner) to display the configuration menu.
2. Click on the **User** button.

CHANGING ACCOUNT PASSWORD


The first screenshot shows the 'Change Password' button in the top right corner, labeled with a '1'. The second screenshot shows the password change form with fields for 'Email Address', 'New Password', and 'Confirm New Password', labeled with '2A', '2B', and '2C' respectively. The 'Save' button is also highlighted.

1. From within User Configuration screen, click on the **Change Password** button in the top right corner.
 2. Change your password:
 - a. Enter your New Password in the appropriate field.
 - b. Confirm New Password in the appropriate field.
 - c. Click Save to finalize the change
 3. Upon successful completion, you will be signed out of the MyEydro client and redirected back to the sign in page.
- **NOTE:** You will receive an email indicating that the password has been changed on your user account

USER INFORMATION

REGIONAL INFO TAB

Regional Info
Preferences
Contact Info
Alert Options



REGIONAL INFORMATION

Regional information is used to display data in your preferred local settings. This data is optional, but by filling it out you can improve your user experience.

Some functionality may be limited (or not available) if this information is not specified.


Timezone:
(UTC-05:00) Eastern Time (US & Canada)
Language:
English (United States)
Currency:
Dollar (\$)
Units of Measure:
☐ Metric ☒ US
Country:
United States
State/Province:
New York
City:
New York
Zip/Postal:
10007

Field	Required	How It's Used
Time zone	Yes	Time zone is used to ensure all readings are correctly converted from UTC time to a user's local time zone.
Language	Yes	Language is used to select the language of the displayed text on the user interface. Defaults to English
Currency	Yes	Currency is used to select the currency symbol used to display all cost information in the user interface. Defaults to Dollar (\$).
Units of Measure	Yes	Units of Measure are used to select the units used to display temperature and weight values in the user interface. Defaults to Metric.
Country	No	Country is not currently required.
State/Province	No	State/Province is not currently required.
City	No	City is not currently required.
Zip/Postal	No	Zip/Postal is not currently required.

NOTE: Weather information cannot be displayed in the MyEyedro client if Regional information is not provided.

PREFERENCES TAB

Regional Info
Preferences
Contact Info
Alert Options



PREFERENCES

Preferences are used to customize the interface to your preferred settings.

NOTE: Most changes in preferences require the browser page to be reloaded before the changes take effect.

Correspondence

☒ Send me MyEyedro News

☒ Send me MyEyedro Weekly Reports

General

☒ Use Dark Chart Theme

☒ Show Weather on Home Page

NOTE: Requires browser refresh for changes to take effect.

Available Plugins

<input checked="" type="checkbox"/> Highlights	<input checked="" type="checkbox"/> Bills
<input checked="" type="checkbox"/> Insights	<input checked="" type="checkbox"/> Reports
<input checked="" type="checkbox"/> Live	<input checked="" type="checkbox"/> Phantom Energy
<input checked="" type="checkbox"/> Summary	<input checked="" type="checkbox"/> What's it Cost
<input checked="" type="checkbox"/> Comparison	<input checked="" type="checkbox"/> Net Meter

NOTE: Requires browser refresh for changes to take effect.

Field	Required	How It's Used
News	No	If checked, you will occasionally be sent email from MyEyedro.com. This option is checked by default.
Weekly Reports	No	If checked, you will automatically receive weekly summary reports for all display groups associated with your user account. This option is checked by default.
Dark Charts	No	If checked, all charts displayed in MyEyedro will use the dark theme. If unchecked, all charts will have a white background (useful if printing screenshots). This option is checked by default.
Show Weather	No	If checked, current weather information will be displayed on the main client page. This option will only be available if a valid zip or postal code has been specified in your regional settings.
Available Plugins	Yes	<p>Selected plugins will be displayed in the plugins menu. By default, all plugins are checked/enabled.</p> <p>Details on available plugins are provided in later sections of this document.</p>


CONTACT INFO TAB

Regional Info

Preferences

Contact Info

Alert Options



CONTACT INFORMATION

Contact information is used to deliver email and text message alerts for specific system events that have occurred.

Aside from the primary email address (which is the same as your user account), this information is optional.

Some functionality may be limited (or not available) if this information is not specified.

Email Contacts

Primary Email:

Secondary Email:

Phone Contacts (for SMS/Text Message Alerts)


Primary Phone:

Secondary Phone:

Field	Required	How It's Used
Primary Email	Yes	Primary email is used as your login user name. This may also be used for email alert functionality.
Secondary Email	No	Secondary email is not required but can be defined and used for email alert functionality.
Primary Phone	No	Primary phone is not required but can be defined and used for SMS and phone alert functionality.
Secondary Phone	No	Secondary phone is not required but can be defined and used for SMS and phone alert functionality.

ALERT OPTIONS TAB

Regional Info
Preferences
Contact Info
Alert Options



ALERT OPTIONS

Alert options are used to govern ALL MyEyedro alerts.

When enabled, these settings control when and how often configured alerts are sent.

You will still need to subscribe to individual alerts (where applicable).

☒ Send me MyEyedro Alerts *(in Beta testing)*

Limit When Alerts Occur
☐ Do not limit when alerts are sent

Start Time:
9:00 AM

End Time:
11:00 PM

Days:
☒ Mon ☒ Tue ☒ Wed ☒ Thu ☒ Fri
☒ Sat ☒ Sun

Limit How Many Alerts Occur

Maximum Email per Day:
10

Maximum SMS per Day:
10

NOTE: Use 0 to disable alert type

Field	Required	How It's Used
Send me Alerts	No	This is the global enable/disable of alerts. If checked, alerts that have been subscribed to will be sent out. NOTE: You will still need to subscribe to the individual alerts you wish to receive.
Limit When Alerts Occur	No	If checked, alerts will be sent out at the time of occurrence. If unselected, alerts will only be sent if they occur between the start and end times for the selected days.
Start Time	Yes*	Used to limit when configured alerts are sent. If configured event occurs outside of the allowed range, the event will be logged but no alert will be sent. Defaults to 12:00AM.
End Time	Yes*	Used to limit when configured alerts are sent. If configured event occurs outside of the allowed range, the event will be logged but no alert will be sent. Defaults to 12:00AM.
Days	Yes*	Used to limit when configured alerts are sent. If configured event occurs outside of the allowed range, the event will be logged but no alert will be sent. Defaults to enable alerts every day.
Maximum Email	Yes	Used to limit the maximum number of email alerts sent in a day.
Maximum SMS	Yes	Used to limit the maximum number of SMS (text message) alerts sent in a day.

NOTE: *Only required if the "Do not limit when alerts are sent" option is unchecked.

SYSTEM CONFIGURATION DIALOG

The System Configuration dialog is used to add, configure, and organize devices and display groups assigned to your user account. It is also used to configure sharing of data between user accounts.

The screenshot shows the 'System Configuration' dialog with the 'Display Groups' tab selected. The left pane lists several display groups with their owners. The right pane shows the 'DETAILS FOR: MY HOUSE - EYEDRO' configuration, including a 'Configuration' tab, a 'Display Name' field, and a table of sensors. The bottom of the dialog has a green bar with a gear icon, the text 'SYSTEM SETTINGS', and weather information.

Display Group	Owner
Fish Tank	Yes
Fridge (demo@eyedro.com)	No
Keiths House - Eyedro	No
My House - BlueLine	Yes
My House - Eyedro	Yes
Peters House	No
Trevors House	No

DETAILS FOR: MY HOUSE - EYEDRO

Configuration | Sharing | Export

Display Name: My House - Eyedro

Sensors in Display Group:

Identifier	Device	Sensor
003-FFFFE	Service Entrance (003-FFFFE)	Power (Port A)
003-FFFFE	Service Entrance (003-FFFFE)	Power (Port B)

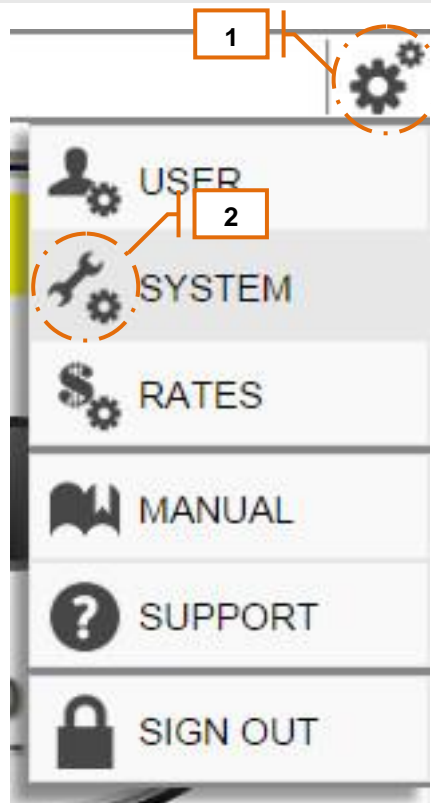
Edit Sensors in Display Group

Save Changes | Cancel Changes

Refresh | Done

SYSTEM SETTINGS 64°F PARTLY CLOUDY
SUNRISE: 7:18AM SUNSET: 7:07PM

TO OPEN THE SYSTEM CONFIGURATION DIALOG



1. From within the MyEyedro client, hover over the **configuration button** (gears in the top right corner) to display the configuration menu.
2. Click on the **System** button.

DEVICES VS DISPLAY GROUPS

A Device is a physical or virtual device containing one or more sources of data (i.e. sensors). Devices can be physical devices installed in a building or virtual devices, such as green button data, provided by your utility. See [Appendix B](#) of this document for a list of supported devices.

A Display Group is a grouping of device data sources (sensors) for display. Display groups provide flexibility when presenting data collected from various sensors. They allow sensors (of the same type) from multiple devices to be separated or combined for presentation in the MyEyedro.com plugins.

Simply put, **Devices** are used to **collect** data and **Display Groups** are used to **display** the collected data.

DEVICES

The Devices tab is used to add devices, view device status, edit device configuration, and remove devices associated with your user account.

A Device is a physical or virtual device containing one or more sources of data (i.e. sensors). Devices can be physical devices installed in a building or virtual devices, such as green button data, provided by your utility. See [Appendix B](#) of this document for a list of supported devices.

A Devices

Identifier	Device	Status
00:1E:C0:0B:9A:52	OLD pcmwifig	INACTIVE
003-00001	Branch (003-00001)	ACTIVE
003-FFFFE	Service Entrance (003-FFFFE)	ACTIVE
001-FFFFF	Gateway (001-FFFFF)	INACTIVE
002-FFFFF	SN:002-FFFFF (DO NOT REMOVE)	INACTIVE
002-FFFFB	SN:002-FFFFB	INACTIVE
00:1E:C0:0B:9C:C0	PowerCost Monitor	ACTIVE

B Identifier

C Device

D Status

E Add Device

F Remove Device

G DETAILS FOR: BRANCH (003-00001) **ACTIVE**

Device Label: Branch (003-00001)

Firmware: V2.3.2

Serial Number: 003-00001

MAC Address: 60:54:64:30:00:01

Alert Me When...

☐ Power/Communication Lost Primary Email

☐ Power/Communication Established Primary Email

PORT A

Sensor Label (used in Display Groups): Fishtank

Sensor Type: 200A

Voltage: 123.5

131 W

PORT B

Sensor Label (used in Display Groups): NC

Save Changes

Cancel Changes

Visit Eyedro support

☒ Hide Advanced Settings

What is a Device?

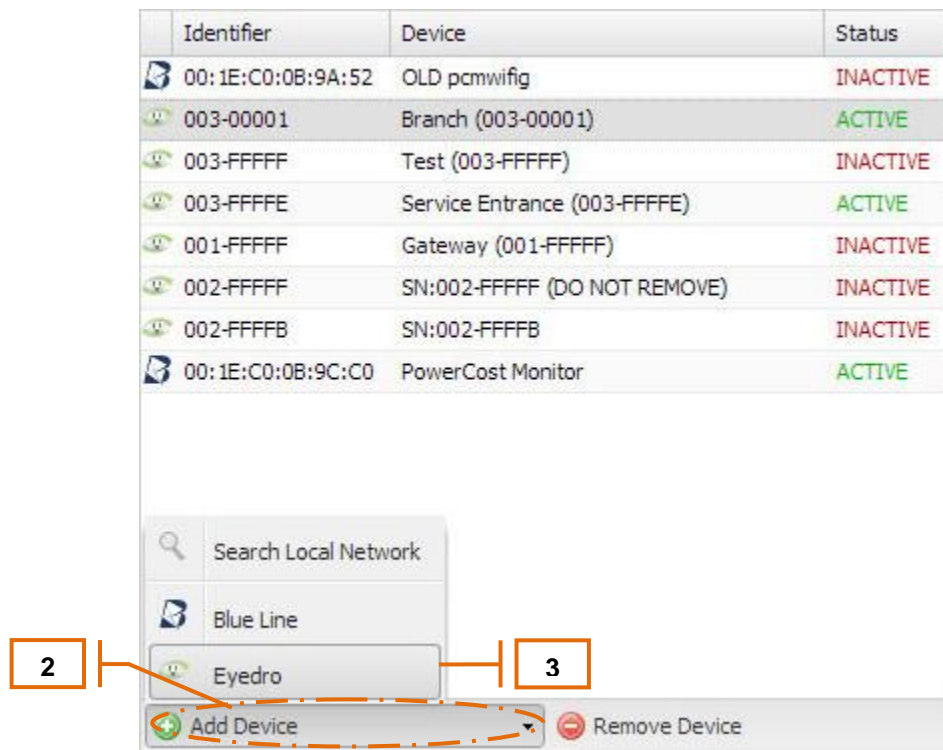
A Device is physical or virtual device containing one or more sources of data (i.e. sensors).

Devices can be physical devices installed in a building or virtual devices such as green button data provided by your utility.

When a device is added to your account, a default Display Group will also be created for presentation of this new device.

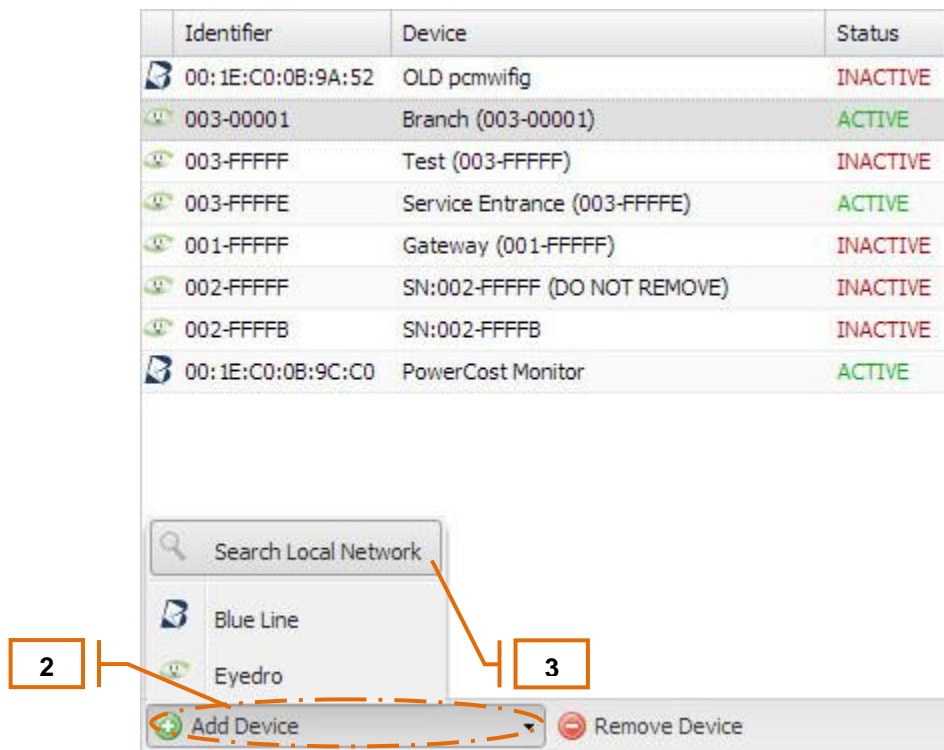
Function	Description
A Device List	The list of Devices associated with your user account.
B Device Identifier	The unique identifier (typically the serial number or MAC Address) of the device. Helps distinguish between devices in the event that they have the same label.
C Device Label	A label assigned to the device to help identify it. Useful when there are multiple devices under the user account.
D Device Status	Indicates Active/Inactive status of the device. Active means that the device is actively communicating with the MyEyedro servers. Inactive means the device hasn't communicated for several minutes. NOTE: it takes approximately 5 minutes for a device to go from an active to inactive status.
E Add Device Button	Click this button to add new devices to your user account.
F Remove Device Button	Click this button to remove existing devices from your user account.
G Device Details (and Configuration) Area	Displays details and configuration information for the device currently selected in the Device List. Contents of this area are vendor specific and dependent on the type of device selected from the list. More details regarding configuration and information provided by various devices can be found in Appendix B of this document.

ADDING A DEVICE (MANUALLY)



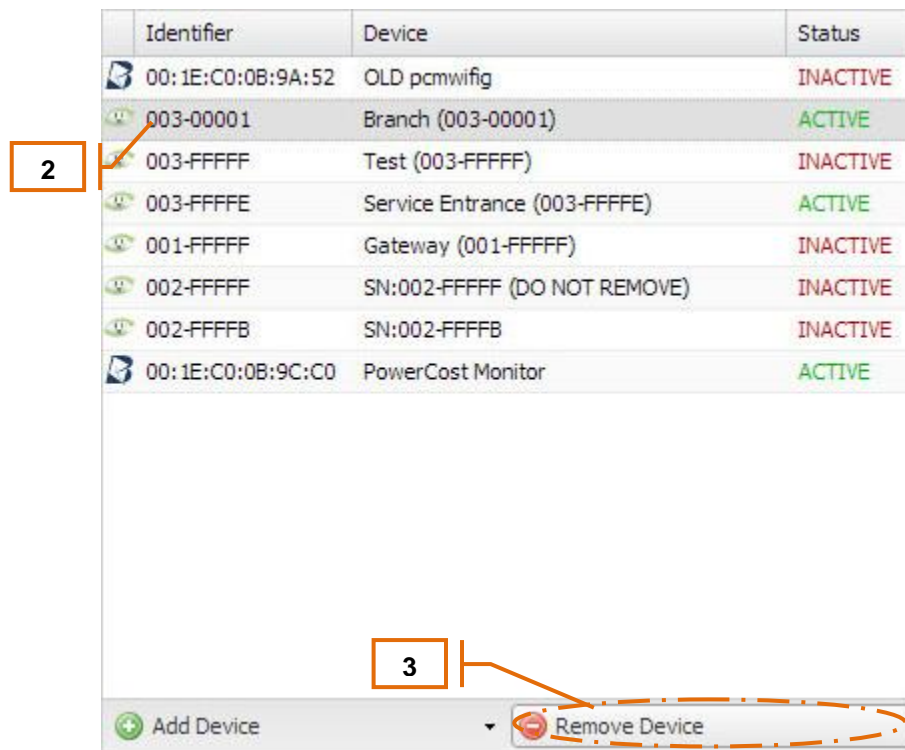
1. Open the **Devices** tab of the System Configuration screen.
 2. Click on the **Add Device** button in the bottom left of the device list panel.
 3. Choose the device vendor from the Add Device menu.
 4. Follow the instructions for adding your desired device from Appendix B of this document.
- **NOTE:** Devices must be connected to the internet and actively communicating with the MyEyedro.com servers to add.
 - **NOTE:** Devices may only be added to one user account. It will not allow you to add a device that is currently claimed under another user account.
 - **NOTE:** Upon success, the Device List will be refreshed to show the newly added device(s).
 - **NOTE:** Upon success, a default Display Group will be created containing all sensors of the added device.

ADDING A DEVICE (SEARCHING NETWORK)



1. Open the **Devices** tab of the System Configuration screen.
 2. Click on the **Add Device** button in the center left of the System Configuration dialog to expand the panel.
 3. **Choose** the **Search Local Network** option from the Add Device menu.
 4. Follow the onscreen instructions to search your local network and add any found devices to your user account.
- **NOTE:** The search functionality matches the source IP address of the browser session with that of unclaimed devices. It requires that the devices being added and computer currently logged into MyEyedro.com be on the same network.
 - **NOTE:** Upon success, the Device List will be updated to show the newly added device(s).
 - **NOTE:** Upon success, a default Display Group will be created containing all sensors of the added device(s).

REMOVING A DEVICE



1. Open the **Devices** tab of the System Configuration screen.
 2. **Select**, from the list, the **Device** to be deleted.
 3. Click **Remove Device** to permanently delete the data source from the user account.
 4. Click **Yes** when prompted for removal confirmation
- **NOTE:** The Device List will be refreshed and the deleted device will be removed from the list.
 - **NOTE:** All Display Groups that reference this device or its sensors will also be updated.
 - **NOTE:** Removal of a device will NOT automatically purge the data for the device and its sensors.

VIEWING DEVICE DETAILS AND CONFIGURATION

The right side of the device configuration tab contains the details and configuration data for the selected device. These device details and configuration are dependent on the device selected for viewing. Vendor specific details can be found in Appendix B of this document.

DISPLAY GROUPS

The Display Groups tab is used to add, edit, share and export Display Groups associated with your user account.

A Display Group is a grouping of device data sources (sensors) for display. Display groups provide flexibility when presenting data collected from various sensors. They allow sensors (of the same type) from multiple devices to be separated or combined for presentation in the MyEyedro.com plug-ins.

The screenshot shows the 'Display Groups' interface. On the left, a list of display groups is shown with columns for the group name and owner. On the right, the 'Configuration' tab for a specific group is displayed, showing the display name and a table of sensors in the group. Labels A through I point to specific UI elements: A points to the 'Display Groups' tab; B points to a group label; C points to the owner column; D points to the 'Add Display Group' button; E points to the 'Remove Display Group' button; F points to the 'DETAILS FOR: MY HOUSE - BLUE LINE' section; G points to the 'Configuration' tab; H points to the 'Sharing' tab; and I points to the 'Export' tab.

Display Group	Owner
Fish Tank	Yes
Fridge	No
Keiths House - Eyedro	No
My House - Blue Line	Yes
My House - Eyedro	Yes
Peters House	No
Trevors House	No

DETAILS FOR: MY HOUSE - BLUE LINE

Configuration | Sharing | Export

Display Name: My House - Blue Line

Sensors in Display Group:

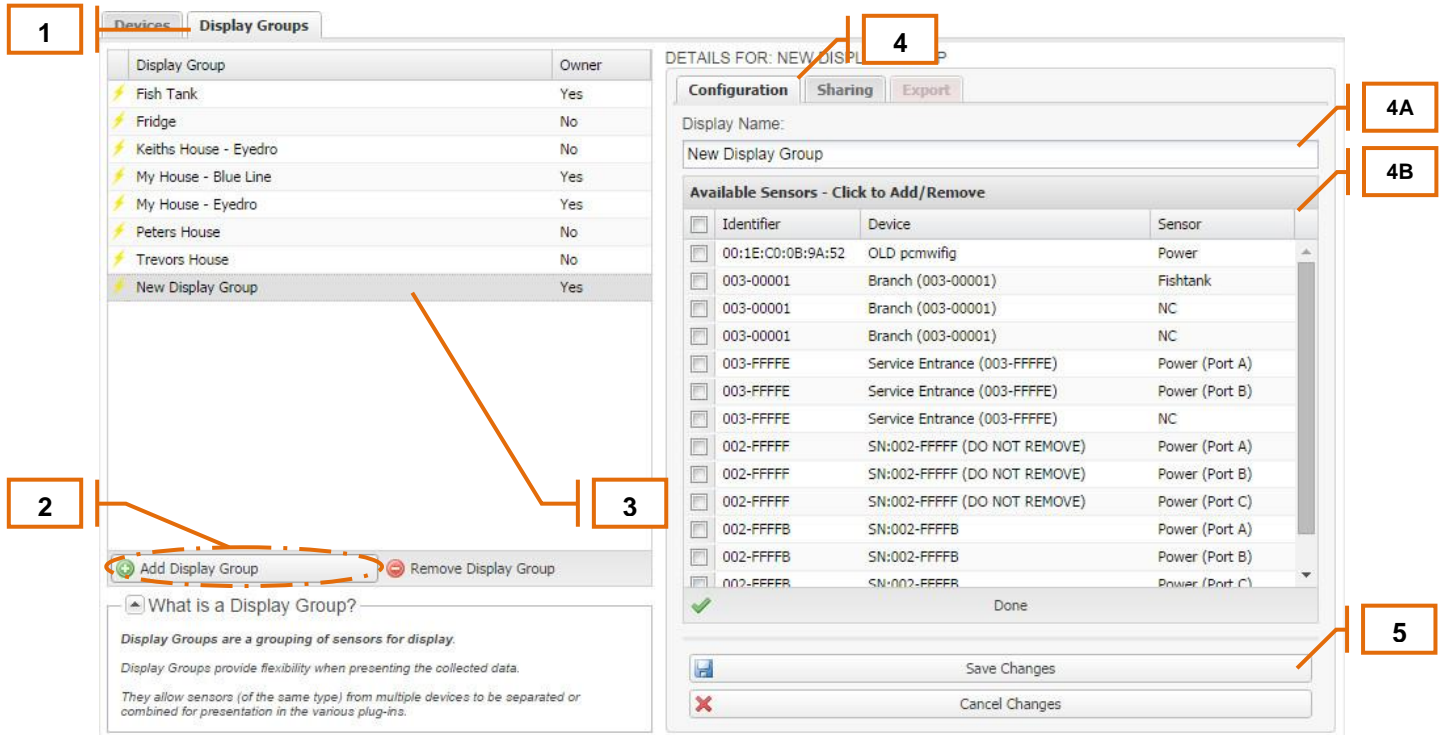
Identifier	Device	Sensor
00:1E:C0:0B:9C:C0	PowerCost Monitor	Power

Buttons: Add Display Group, Remove Display Group, Edit Sensors in Display Group, Save Changes, Cancel Changes.

What is a Display Group?
 Display Groups are a grouping of sensors for display.
 Display Groups provide flexibility when presenting the collected data.
 They allow sensors (of the same type) from multiple devices to be separated or combined for presentation in the various plug-ins.

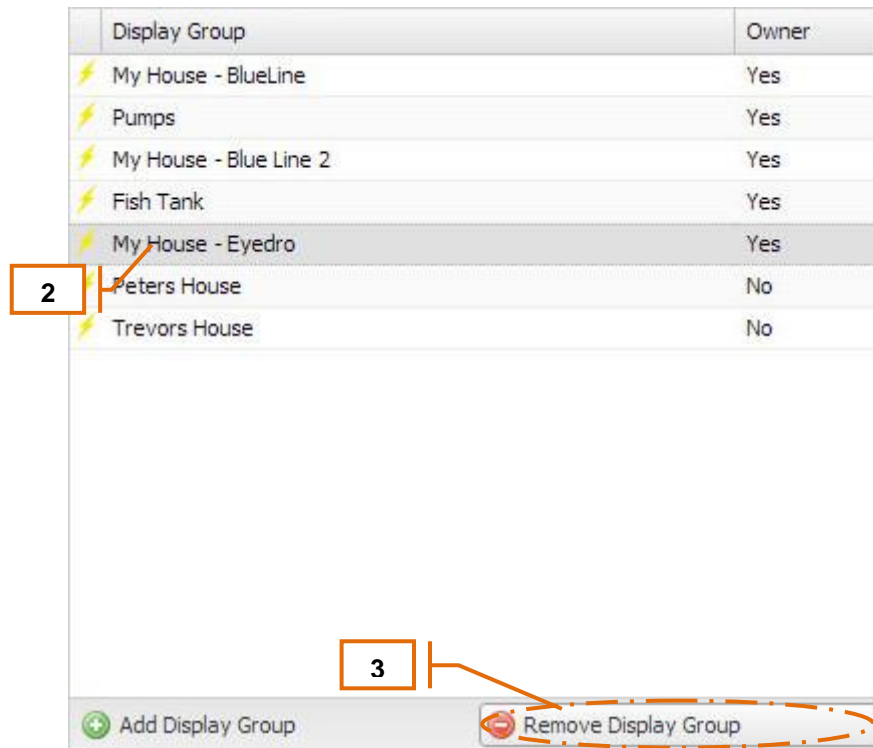
Function	Description
A Display Group List	The list of Display Groups associated with your user account.
B Display Group Label	A label assigned to the display group to identify it. Useful when there are multiple display groups under the user account.
C Display Group Owner	Indicates display group ownership. Owner=Yes indicates that the display group has been created by this user account. Owner=No indicates that the display group was shared with this user account. Display Groups that are not owned (Owner=No) have limited functionality.
D Add Display Group	Click this button to add new display groups to your user account.
E Remove Display Group	Click this button to remove existing display groups from your user account.
F Display Group Details (and Configuration) Area	Displays details and configuration information for the device currently selected in the Device List. Contents of this area are vendor specific and dependent on the type of device selected from the list. More details regarding configuration and information provided by various devices can be found in Appendix B of this document.
G Configuration Tab	Contains configuration for the Display Group.
H Sharing Tab	Contains sharing options for the Display Group.
I Export Tab	Contains export options for the Display Group.

ADDING A DISPLAY GROUP



- Open the **Display Groups** tab of the System Configuration screen.
- Click on the **Add Display Group** button in the bottom left of the display group list panel.
- A new display group, called **"New Display Group"** will be added to the list and the configuration tab will be pulled to the front.
- From the **Configuration** tab, define the configuration for the new display group.
 - Enter the **Display Name** for the new group.
 - Select the sensors you would like to include in your new alias from the **Available Sensors** list.
 - NOTE:** Sensors are added/removed by checking/unchecking the boxes in the left column.
 - NOTE:** You can only add sensors from devices that have been claimed under your user account (shown in the Device List from the Devices tab).
- Click on the **Save Changes** button to add the new display group to the account

REMOVING A DISPLAY GROUP



1. Open the **Display Groups** tab of the System Configuration screen.
 2. **Select**, from the list, the **Display Group** to be removed.
 3. Click on the **Remove Display Group** to permanently delete the display group from your user account.
- **NOTE:** Upon successful removal, the Display Group List will be refreshed and the deleted group will be removed from the list.
 - **NOTE:** You can remove both owned and non-owned display groups.
 - **NOTE:** Deleting a display group that has been shared with others, via sharing or public URL, will result in others no longer having access to it.

DISPLAY GROUP CONFIGURATION

DETAILS: MY HOUSE - EYEDRO **3**

Configuration | Sharing | Export

Display Name:
My House - Eyedro

Sensors in Display Group:

Identifier	Device	Sensor
003-FFFFE	Service Entrance (003-FFFFE)	Power (Port A)
003-FFFFE	Service Entrance (003-FFFFE)	Power (Port B)

4A

4B

5

Edit Sensors in Display Group

Save Changes

Cancel Changes

1. Open the **Display Groups** tab of the System Configuration screen.
2. **Select**, from the list, the **Display Group** to be edited.
 - **NOTE:** The Display Group details will be populated in the Display Group Details Area in the right side of the screen.
3. Select the **Configuration** tab in the Display Group Details (and Configuration) Area.
4. From the Configuration tab, make the desired edits to the Display Group configuration.
 - a. If desired, edit the **Display Name** for the new group.
 - b. If desired, choose **Edit Sensors in Display Group** button to open the sensor editor.
5. Click on the **Save Changes** button to save changes.

DISPLAY GROUP SHARING

Sharing allows users to share data from their user accounts, in a read-only manner, between each other and with the public. Below are a couple of typical examples of where sharing can be useful:

- Multiple users want to view data for a household (i.e. family members)
- Property managers want to share data with tenants
- Franchise owners want to share data with corporate headquarters
- Users want to set up a friendly competition
- Users want to allow the public to view their data

There are two methods that MyEyedro.com allows data to be shared among users; by Direct Share and by creating a Public URL.

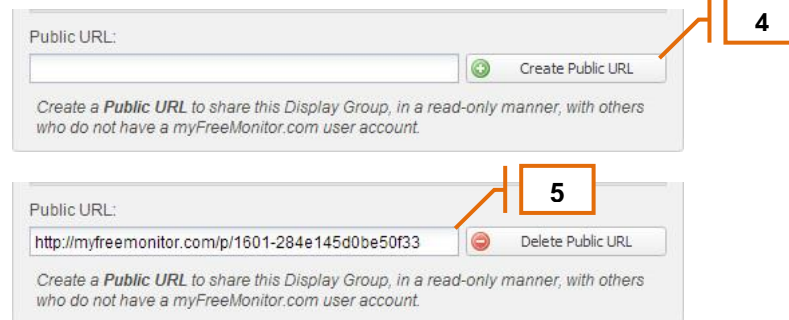
SHARING: DIRECT SHARE METHOD

Typically, the direct share method is used when you are sharing data with an existing MyEyedro.com user, want to create a new user account or want to share more than one Display Group with another (existing or non-existing) user account.

1. Open the **Display Groups** tab of the System Configuration screen.
2. **Select**, from the list, the **Display Group** to be shared.
 - **NOTE:** The *Display Group* details will be populated in the *Display Group Details Area* in the right side of the screen.
3. Select the **Sharing** tab in the Display Group Details Area.
4. From the Sharing tab, Enter the account name for which this alias is to be shared with
 - a. Enter **User Name** to share with.
 - b. Click **Add Share** to share the alias.
5. Upon successful completion, the user name will appear in your list of Existing Shares.
 - **NOTE: Sharing with a non-existent user account will create one.** A welcome email with temporary password will be sent to the email address entered.
 - **NOTE: All sensors** in the display group will be **shared** with the other user. If there are sensors you do not wish to share it is recommended to exclude these from the display group.
 - **NOTE:** Display Groups that have been shared with you will appear in your Display Group List with the **Owner** column set to **NO**.
 - **NOTE:** To remove the Display Group share, select the username from the Existing Shares list and click **Remove**.

SHARING: PUBLIC URL METHOD

Typically, the Public URL method is used when you desire to create a publicly accessible page for any single Display Group. The generated Public URL can be copied to any web browser address bar and it will automatically log you into a read-only view the data - without the need for login credentials.



Public URL:

Create Public URL

Create a **Public URL** to share this Display Group, in a read-only manner, with others who do not have a myFreeMonitor.com user account.

Public URL:

Delete Public URL

Create a **Public URL** to share this Display Group, in a read-only manner, with others who do not have a myFreeMonitor.com user account.

1. Open the **Display Groups** tab of the System Configuration screen.
 2. **Select**, from the list, the **Display Group** to be shared.
 - **NOTE:** The Display Group details will be populated in the Display Group Details Area in the right side of the screen.
 3. Select the **Sharing** tab in the Display Group Details Area.
 4. From the Sharing tab, click on the **Create Public URL** button.
 5. Copy the generated link into your browser address bar to **verify it is functional**.
 6. **Send** this URL to anyone you want to give access to – or embed it in an iframe on your website.
- **NOTE:** To delete the Public URL, click **Delete Public URL** button.
 - **NOTE:** The generated URL is random. No two URLs are the same nor will you be able to recreate one that has been deleted.

DISPLAY GROUP (DATA) EXPORT

Data from a Display Group can be exported for offline processing in third party applications like Microsoft Excel.

DETAILS: MY HOUSE - EYEDRO

Configuration Sharing **Export**

Export Period: ☐ Last Week ☒ Last Month ☐ Last Year
☐ Custom

Export From: March 18, 2014

Export To: April 18, 2014

Export Data Type: ☒ Daily (Wh) ☐ Hourly (Wh)
☐ 15min (Wh) ☐ 1min (Wh)
☐ Raw (VA) ☐ Raw (mA)

Export Data

1. Open the **Display Groups** tab of the System Configuration screen.
2. **Select**, from the list, the **Display Group** you wish to export data from.
 - **NOTE:** The Display Group details will be populated in the Display Group Details Area in the right side of the screen.
3. Select the **Export** tab in the Display Group Details Area.
4. From the Export tab, choose your data export options:
 - a. Select the **Export Period** or specify a custom date range.
 - b. Select the exported **Data Type**.
5. Choose **Export Data** to initiate the export.
6. A file download should begin automatically containing all reading data for the selected display group within the selected export period. Data will be in Comma-Separated Value (.csv) format.
 - **NOTE:** Not all Data Types are available for all devices.
 - **NOTE:** Raw Data Types should be limited to short export periods to avoid very large export file sizes.
 - **NOTE:** When exporting Raw Data Types, it is possible that not all sensors will have the same number of data points or their readings on the same time boundaries. The output format will be dependent on the specific devices.

RATES CONFIGURATION DIALOG

The Rate Configuration page is used to define the rates your electrical utility charges you for your electricity consumption. The rates entered in this page are used throughout the MyEyedro interface to display and predict cost information. If no rates are defined in this configuration, all cost information in the interface will assume a default fixed rate pricing scheme.

Electric Company Ltd.
 What would you like to call this billing profile?:
 Electric Company Ltd.
 What is the start day of your current billing period?:
 January 8
 How often are you billed?:
☐ Monthly ☒ Bi-Monthly ☐ Quarterly

RATE/FEE STRUCTURE:
 Effective Date
 January 1, 2010
 May 1, 2011
 November 1, 2011
 May 1, 2012
 November 1, 2012
 May 1, 2013
 November 1, 2013
 May 1, 2014
 Add Delete

This page is used to define your electricity rates. You need a copy of a [recent electricity bill](#) to accurately answer some of the questions.
 Some electrical utilities do not clearly show rate information on their bills. You may need to visit their website or call for a breakdown of your costs.

RATE/FEE STRUCTURE DETAILS:
Basic Winter Summer Other Fees
 When do these rates take effect?:
 May 1, 2014
 How is electricity consumption charged?:
 Time of Use
 Do your rates change seasonally? ☒ Yes ☐ No
 How many different seasonal rates are you charged?:
 2

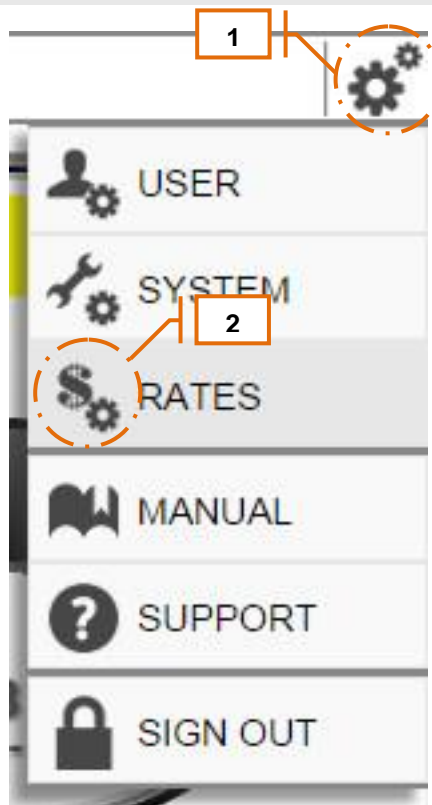
Season Name	Start Month	Day	End Month	Day
Winter	November	1	April	30
Summer	May	1	October	31

Done

RATE SETTINGS

70°F
 CLEAR
 SUNRISE: 7:18AM
 SUNSET: 7:07PM

TO OPEN THE RATES CONFIGURATION DIALOG



1. From within the MyEyedro client, hover over the **configuration button** (gears in the top right corner) to display the configuration menu.
2. Click on the **Rates** button.

BILL PROFILE

Each user account will have a default Bill Profile created for it. The bill profile provides the rules that MyEyedro.com uses to compute cost information for presentation. The components of the Bill Profile are defined below:

The screenshot shows the 'Electric Company Ltd.' tab (A) for defining a bill profile. It includes a 'What would you like to call this billing profile?' field, a 'What is the start day of your current billing period?' dropdown (B) set to January 8, and a 'How often are you billed?' section with radio buttons for Monthly, Bi-Monthly (selected), and Quarterly. Below this is a 'RATE/FEE STRUCTURE' list (C) showing effective dates from January 1, 2010, to May 1, 2014. To the right, the 'RATE/FEE STRUCTURE DETAILS' section (D) includes tabs for Basic, Winter, Summer, and Other Fees. The 'Basic' tab is active, showing 'When do these rates take effect?' (May 1, 2014), 'How is electricity consumption charged?' (Time of Use), 'Do your rates change seasonally?' (Yes), and 'How many different seasonal rates are you charged?' (2). A table below shows seasonal rates for Summer (May 1 to October 31).

	Function	Description
A	Bill Profile Tab	Each Bill Profile will be represented by a tab. By default, a single bill profile is created for a user account. In the event that you are monitoring multiple properties under a user account, it may be necessary to define multiple bill profiles (assuming all properties aren't using the same electrical utility).
B	Bill Profile General Parameters	Defines the general parameters for your bill profile.
C	Bill Profile Rate/Fee Structure List	List of Rate/Fee structures for the bill profile. As rates change new rate/fee structures can be added to the profile. A bill profile may have many rate/fee structures associated with it (depending on how often your electric utility changes their rates).
D	Rate/Fee Structure Details	Displays details and allows editing of the rate/fee structure selected from the list.

EDITING A BILL PROFILE

The screenshot shows a web form for editing a bill profile. It includes a header field for the company name, followed by a text input for the profile name, a date picker for the start day, and radio buttons for the billing frequency. Below these is a table for the rate/fee structure with an 'Effective Date' column. Callouts are as follows: 1 points to the company name field; 2A points to the profile name input; 2B points to the month dropdown; 2C points to the day input; 2D points to the billing frequency radio buttons.

Electric Company Ltd. 1

What would you like to call this billing profile?:

Electric Company Ltd. 2A

What is the start day of your current billing period?:

January 2B 8 2C

How often are you billed?:

☐ Monthly ☒ Bi-Monthly ☐ Quarterly 2D

RATE/FEE STRUCTURE:

Effective Date
January 1, 2010
May 1, 2011
November 1, 2011
May 1, 2012
November 1, 2012
May 1, 2013
November 1, 2013
May 1, 2014

+ Add - Delete

1. From the Rates Configuration screen, select the Bill Profile to be edited.
2. Specify the general Bill Profile parameters:
 - a. Enter **Profile Name** to uniquely identify this bill profile.
 - **NOTE:** the name on the *Bill Profile* tab will change to reflect the new name typed in this field.
 - b. Choose the **Start Day** of your current (or recent) billing period.
 - **NOTE:** It is possible that this date will move around from bill to bill depending on how your utility operates. Choose an average bill period start date (eg. 15th of the month).
 - c. Choose **Billing Period**. Monthly, Bi-monthly, and Quarterly billing periods are supported.
 - d. Add/edit the **Rate/Fee Structure(s)** for the Bill Profile per the instructions in the following sections.

ADDING A NEW RATE/FEE STRUCTURE

Electric Company Ltd.

What would you like to call this billing profile?:
Electric Company Ltd.

What is the start day of your current billing period?:
January 8

How often are you billed?:
☐ Monthly
 ☒ Bi-Monthly
 ☐ Quarterly

RATE/FEE STRUCTURE:

Effective Date
January 1, 2010
May 1, 2011
November 1, 2011
May 1, 2012
November 1, 2012
May 1, 2013
November 1, 2013
May 1, 2014

RATE/FEE STRUCTURE DETAILS:

Basic Winter Summer Other Fees

When do these rates take effect?:
May 1, 2014

How is electricity consumption charged?:
Time of Use

Do your rates change seasonally? ☒ Yes ☐ No

How many different seasonal rates are you charged?:
2

Season Name	Start Month	Day	End Month	Day
Winter	November	1	April	30
Summer	May	1	October	31

1 Add Delete

This page is used to define your electricity rates. You need a copy of a recent electricity bill to accurately answer some of the questions.

Some electrical utilities do not clearly show rate information on their bills. You may need to visit their website or call for a breakdown of your costs.

- Click **Add** from the lower left corner of the Rate/Fee Structure List.
 - NOTE:** A New Rate/Fee Structure will appear in the list and it will automatically be selected for editing.
 - NOTE:** The Rate/Fee Structure will be copied from the one previously selected.
- Specify the **Basic** parameters:
 - Choose **Effective Date** from the date picker.
 - NOTE:** This is the date these fees/rates take effect NOT the start of the billing period.
 - Specify **Rate Plan**. Fixed, Tiered, and Time-of-Use pricing schemes are supported.
 - If rates vary based on different **Seasons**, choose Yes.
 - If applicable (Seasons is set to Yes), choose the **Number of Seasons**.
 - NOTE:** Choosing 1 is equivalent to setting Seasons to No.
 - If applicable (Seasons is set to Yes), specify the name, start and end for each season.
 - NOTE:** Spring, Summer, Fall and Winter are used by default.
 - NOTE:** Adjusting the end date of a season will automatically adjust the start date of the previous season (and vice versa). The seasons **MUST** span the entire year.
- For each **Season/Rate Tab** (one for each season specified), enter the rate details.
 - NOTE:** Rates are used to compute cost information between the start and end dates entered. See the following sections for details regarding rates for the different pricing schemes; Fixed, Tiered and Time-of-Use.

DEFINING FIXED PRICING SCHEME

The screenshot shows the 'WINTER FIXED RATES' configuration window. The 'Winter' tab is selected, indicated by an orange bracket and callout 'A'. The date range is 'NOV-1 TO APR-30'. The 'FIXED RATE' is set to '10' ¢/kWh, with callout 'B' pointing to the input field. Navigation buttons 'Previous', 'Next', and 'Save' are at the bottom.

1. For each **Season/Rate Tab** (one for each season specified), define the rated for **Fixed Pricing** scheme:
 - a. Confirm name and date span match what was entered in the Basic tab.
 - b. **Fixed Rate** is the value charged for all electricity consumption.
- **NOTE:** Fixed pricing is the most basic pricing scheme. A single rate is charged for all electricity consumed.

DEFINING TIERED PRICING SCHEME

1. For each **Season/Rate Tab** (one for each season specified), define the rated for **Tiered Pricing** scheme:
 - a. Confirm name and date span match what was entered in the Basic tab.
 - b. **Number of Tiers** is used to identify the number of different pricing tiers to configure.
 - **NOTE:** Values of 2 to 4 are supported.
 - c. **Rates** define the value charged for electricity consumption for each tier.
 - d. **Tiers** are used to define the starting and ending consumption value for each tier.
 - **NOTE:** As the 'To' value is adjusted, the 'From' value of the next tier will automatically be updated to match.
 - **NOTE:** As the 'From' value is adjusted, the 'To' value of the previous tier will automatically be updated to match.
 - **NOTE:** There must always be one tier defined that starts at 0 kWh.
 - **NOTE:** There must always be one tier defined that starts at 'MAX' kWh.

DEFINING TIME-OF-USE PRICING SCHEME

1. For each **Season/Rate Tab** (one for each season specified), define the rated for **Time-of-Use Pricing** scheme:
 - a. Confirm name and date span match what was entered in the Basic tab.
 - b. **Number of Rates** is used to identify the number of different rates to configure. Values of 2 to 4 are supported.
 - c. **Rates** are used to define the unique rates to be applied to one or more time bands.
 - d. **Weekend Rates** is used to determine if different time-of-use bands need to be specified for weekdays and weekends.
 - **NOTE:** if selected, the weekends tab will not appear and the same time bands will be applied to all days.
 - e. **Number of Time Bands** is used to specify the number of time bands to apply.
 - **NOTE:** Values of 1 to 4 are supported.
 - f. **Time Bands** are used to specify which rate is to be applied for any given block of time.
 - **NOTE:** If the 'From' value is adjusted, the 'To' value of the previous band is updated.
 - **NOTE:** If the 'To' value is adjusted, the 'From' value of the next band is updated.
 - **NOTE:** The 24hour clock to the right of the time band editor will automatically update to indicate any changes in rate or times. This is a visual aid only.
 - **NOTE:** Rates must be defined to span the full 24hour period (from 12am to 12am).
 - g. Repeat steps **e-f** to define time bands for **Weekends** tab (if applicable).

DEFINING OTHER FEES

ARE YOU CHARGED...

FIXED (PER BILL) FEES:	<input checked="" type="checkbox"/>	14.99	\$/Bill
VARIABLE (PER KWH) FEES:	<input checked="" type="checkbox"/>	3.6	¢/kWh
ADJUSTMENT FACTOR:	<input checked="" type="checkbox"/>	1.02	
VARIABLE (PER KWH) FEES - *ADJUSTED KWH*:		1.37	¢/kWh
TAX:	<input checked="" type="checkbox"/>	13	%
REBATE:	<input checked="" type="checkbox"/>	10	%

Previous Save

1. From the **Other Fees** tab, enter additional fees applied by your electric utility.
 - a. **Fixed Fees** are additional fees applied to your bill regardless of consumption. An example of this would be a monthly administration fee.
 - b. **Variable Fees** are additional fees applied to your bill based on your consumption. Examples are distribution charges or fuel surcharges.
 - c. **Adjustment Factor** is a multiplier that may be applied to your measured/metered consumption to compensate for transmission losses.
 - d. **Variable (Adjusted) Fees** are additional fees applied to your bill based on adjusted consumption (measured/metered consumption x adjustment factor). These only apply if an adjustment factor is specified.
 - e. **Tax** is the rate of tax applied to your bill by your utility. This varies depending on region and is applied as a percentage of the total.
 - f. **Rebate** can be used to apply credits to your bill. An example of this would be a clean energy benefit of 10%.
- **NOTE:** These 'Other Fees' are added to your consumption charges to make up the total on your electrical bill. The details of these fees are sometimes indicated on the back of your bill. If you are unable to find this information on your bill, it may be available on your electrical utilities website.

EDIT AN EXISTING RATE/FEE STRUCTURE



1. Select the rate to be edited from the **Rate/Fee Structure List**.
2. Following the same instructions as Adding a New Rate/Fee Structure (*above*), modify the parameters in the Rate/Fee Structure Details panel as required.

DELETE AN EXISTING RATE PROFILE



1. Select the rate/fee structure to be deleted from the **Rate/Fee Structure List**.
2. Click **Delete** to permanently delete the rate structure from the list.

APPENDIX A: PLUGINS

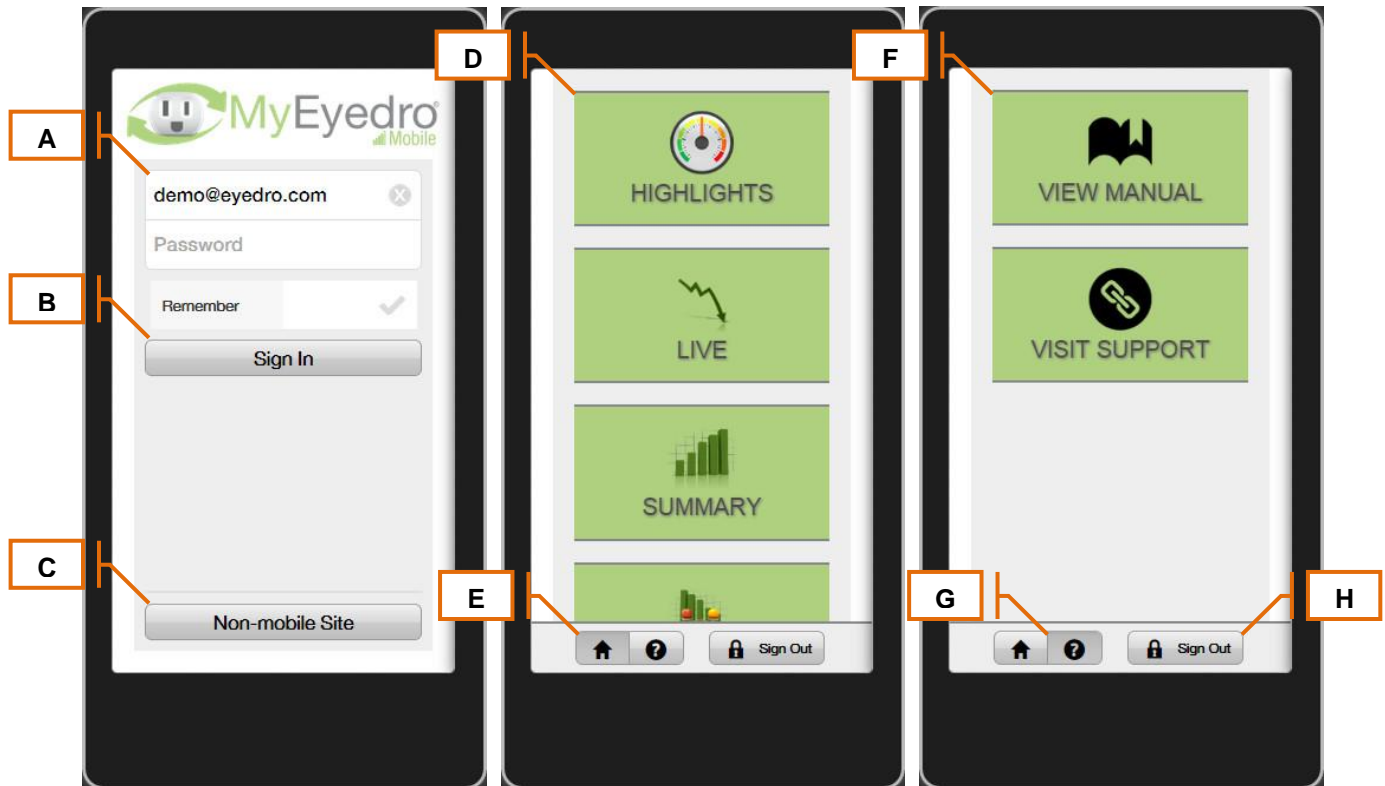
Plugins are used to present data in MyEyedro. Certain plugins will be available or unavailable depending on the types of data sources you have connected to your user account. The diagram below shows the basic navigation of the MyEyedro client software.



	Function	Description
A	User Name	The user currently logged into the system.
B	Configuration Menu	Access account and system configuration settings.
C	Configuration Options	List of configuration options. See details of each in the corresponding sections of this user guide.
D	Support Resources	Press this button to access the MyEyedro help and support system for documentation, videos, to submit a support ticket, or other support services.
E	Sign Out	Sign out of the MyEyedro service and return to the main sign in page.
F	Weather Widget	If enabled, shows current local weather forecast information. Can be enabled or disabled from the User Configuration screen.
G	Plugin Button	Press this button to launch a desired MyEyedro plugin. The icon for the plugin currently running will fill this button. The icon for the selected plugin will be displayed to the right of it.
H	Plugin Menu	List of available plugins.
I	Plugin Canvas	Selected plugin will be displayed in the plugin canvas area while running.

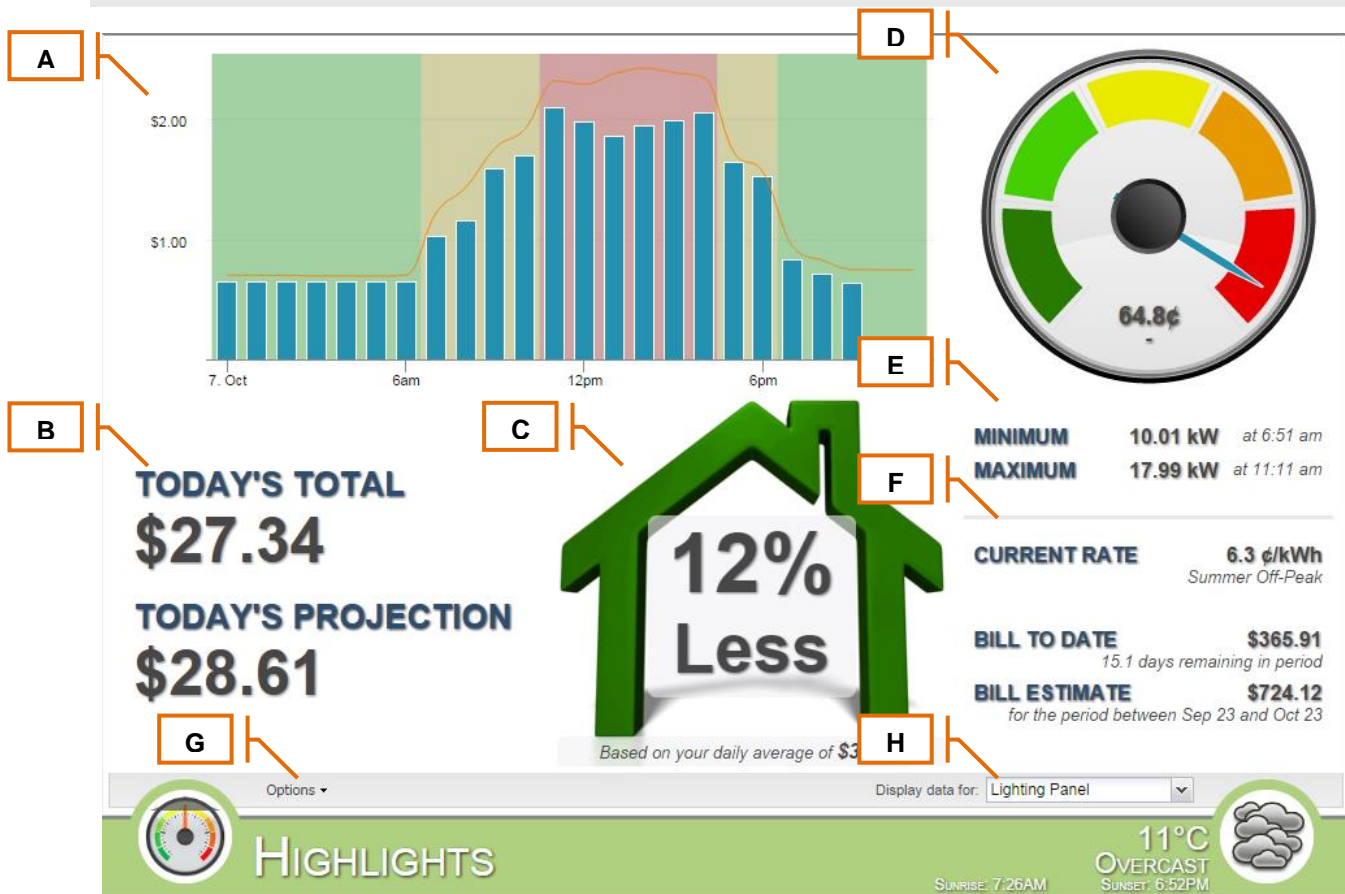
MYEYEDRO MOBILE

The MyEyedro cloud service also provides a mobile friendly version for users who prefer to access their accounts from their smartphones or other mobile devices. When visiting my.eyedro.com from a mobile device, you will be automatically redirected to the mobile client (or optionally access directly via <http://my.eyedro.com/mobile/> or by clicking on the link from the non-mobile client sign in page). The images below show the basic navigation of the MyEyedro Mobile client software.



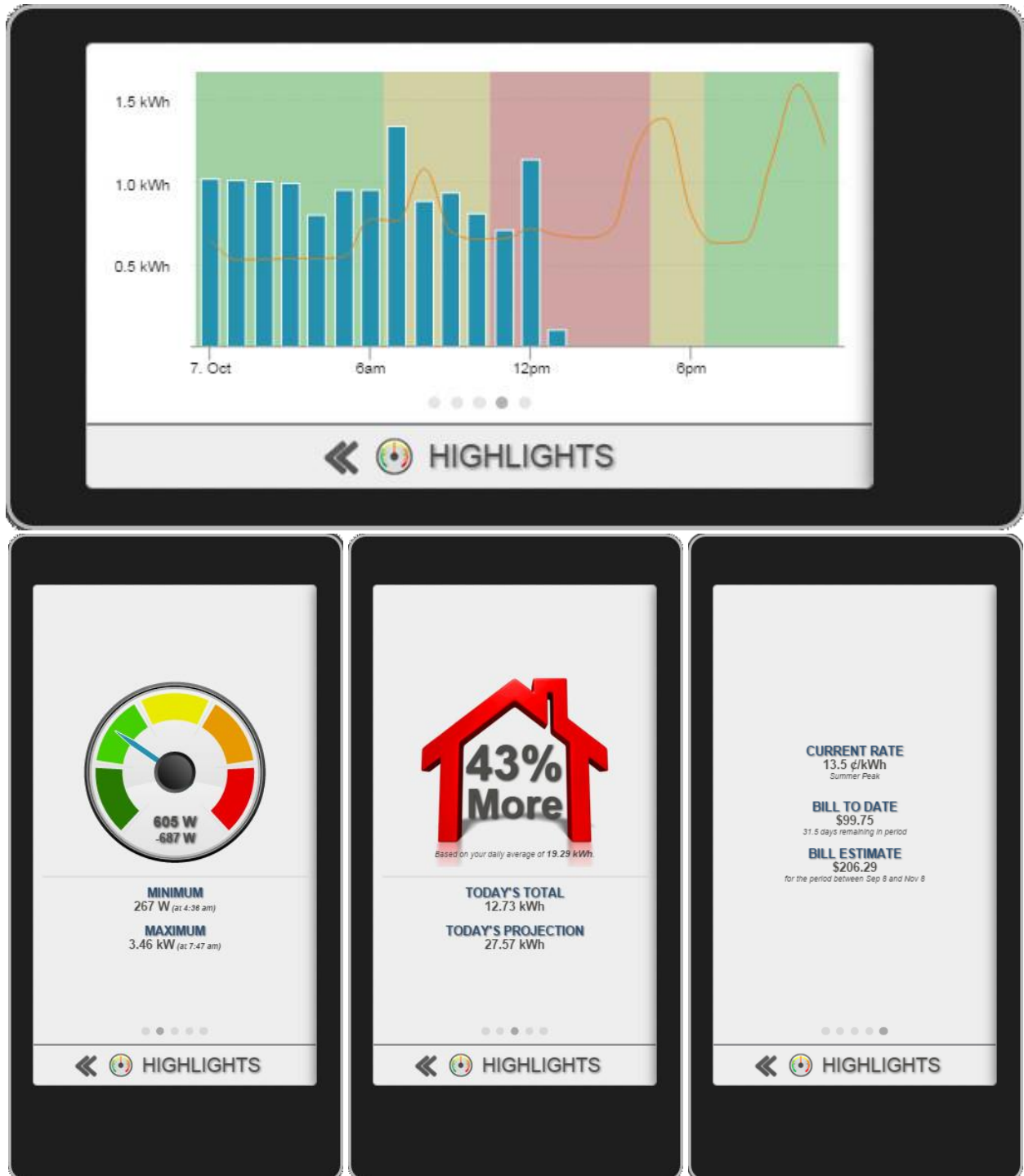
	Function	Description
A	Account Credentials	Enter your email address and password to sign in to your user account. Optionally you may select the remember option to store your credentials in a cookie for future visits.
B	Sign In	Click the Sign In button, once your account credentials have been entered, to access your account.
C	Non-mobile Redirect	Click the Non-mobile Site button if you prefer to access the non-mobile client on your device.
D	Plugin Menu	Displays the list of all available mobile plugins.
E	Plugin Button	Depress this button to display the Plugin Menu.
F	Help Menu	Displays the list of all available help options.
G	Help Button	Depress this button to display the Help Menu.
H	Sign Out	Click the Sign Out button to sign out of your account and return to the Sign In page.

HIGHLIGHTS



	Function	Description
A	Hourly Graph	Displays hourly consumption for all sensors in the currently selected display alias.
B	Summary	Today's Total: The total cost/consumption of your electricity for today. Today's Projection: The projected cost/consumption of your electricity for today
C	Comparison	How your data from today compares to your daily average. Average is based on a 6 week running average of the current day of the week.
D	Current Reading	Displays the total electrical consumption (demand) at the current time and the most recent change in value.
E	Min/Max Demand	Minimum: The minimum demand measured since midnight. Maximum: The maximum demand measured since midnight.
F	Bill to Date	Current Rate: The current price you are being charged per kilowatt hour. Bill To Date: The total charges estimated for the billing period to date. Bill Estimate: The total charges estimated for the entire current billing period.
G	Options	Toggle between cost or consumption, hide the text overlay or change the status image.
H	Display Group	Display Group to show data for. Only displayed if more than one Display Group exists.

MYEYEDRO MOBILE: HIGHLIGHTS



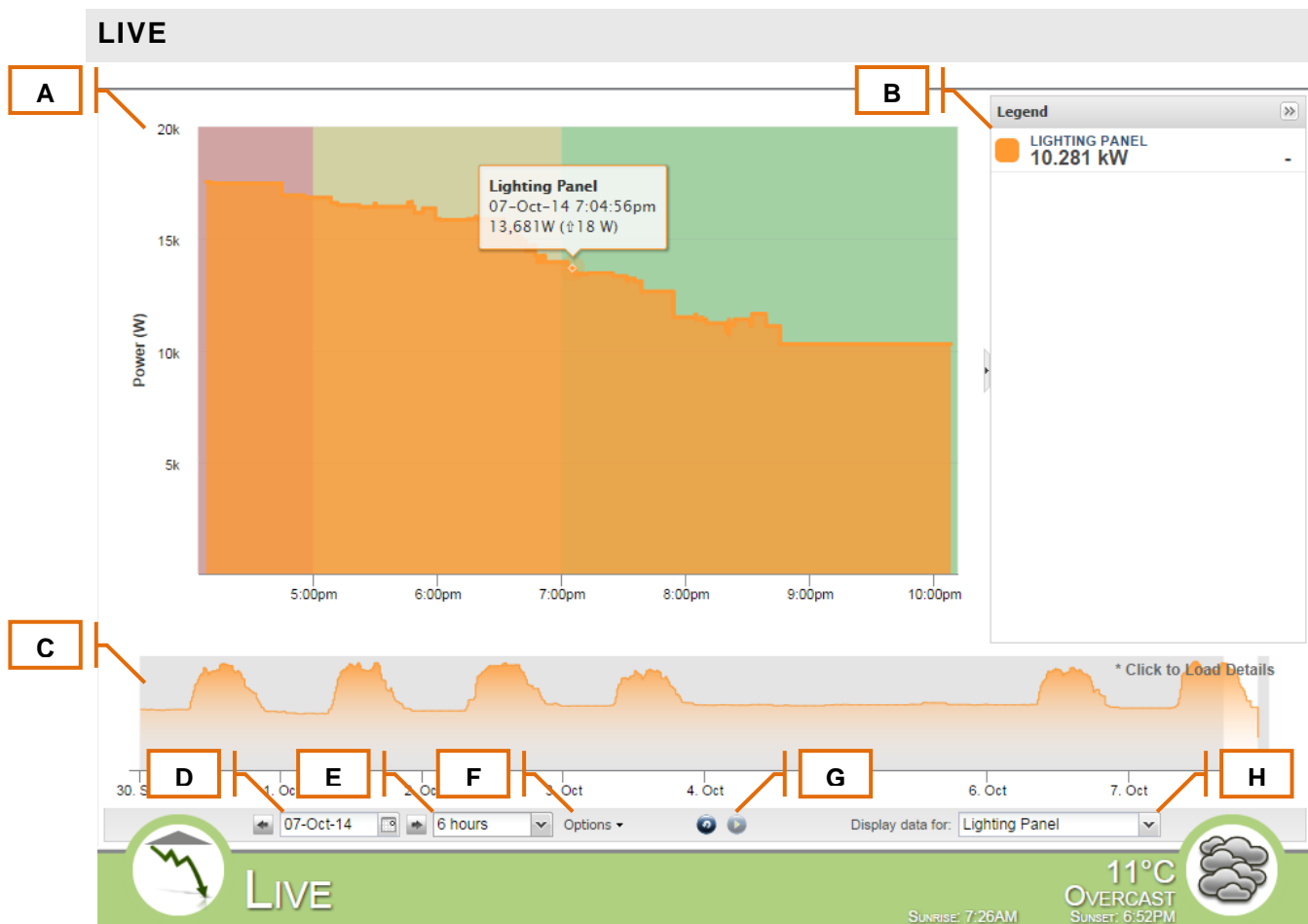
INSIGHTS



Function	Description
A Summary Graph	Displays the cost and consumption for the selected period.
B Total Cost	Summation of the cost for the selected period.
C Total Consumption	Summation of the consumption for the selected period.
D Equivalents	Displays the equivalent amount of electricity in various units.
E Date Selector	Choose the date from which to display electrical consumption data. Changing this value will adjust the right most date of the master graph. By default this will be set to the current date.
F Scale Selector	Choose the scale of the detailed timeline graph. This option will also adjust the size of the selection window in the master graph area.
G Equivalent Picker	Choose the equivalent unit to be displayed in region D .
H Animation	Choose to play or pause the animation. When animating, will scroll through the equivalent options at a fixed interval.
I Display Group	Display Group to show data for. Only displayed if more than one Display Group exists.

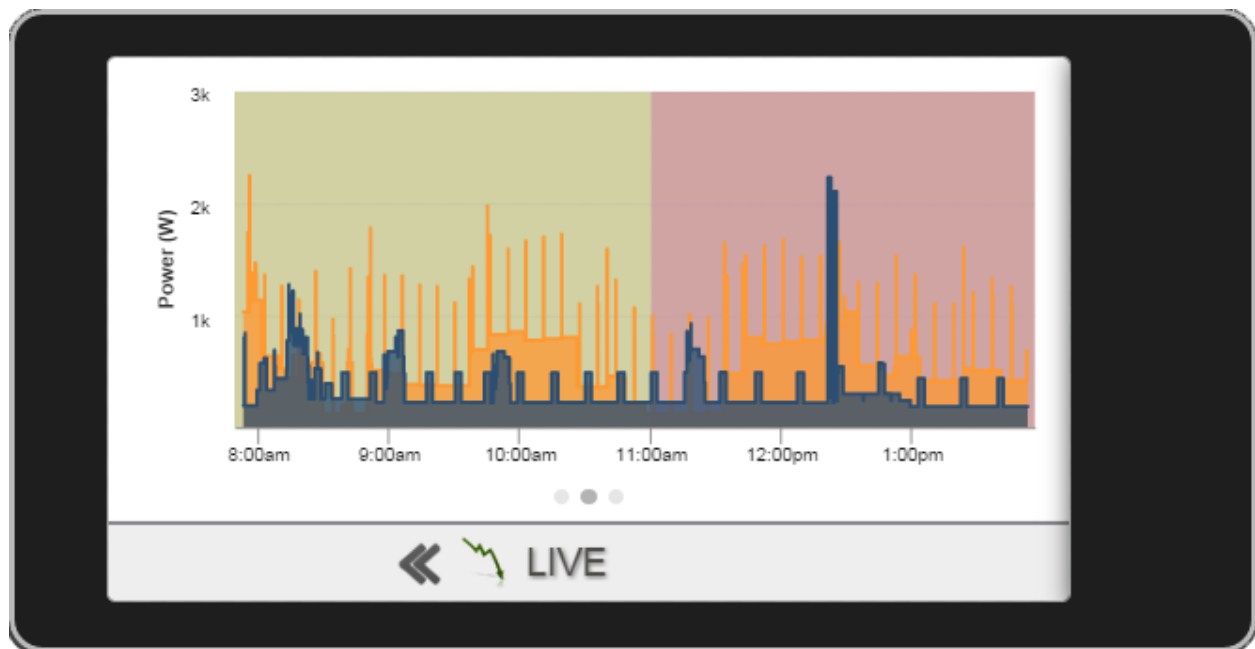
MYEYEDRO MOBILE: INSIGHTS

COMING SOON

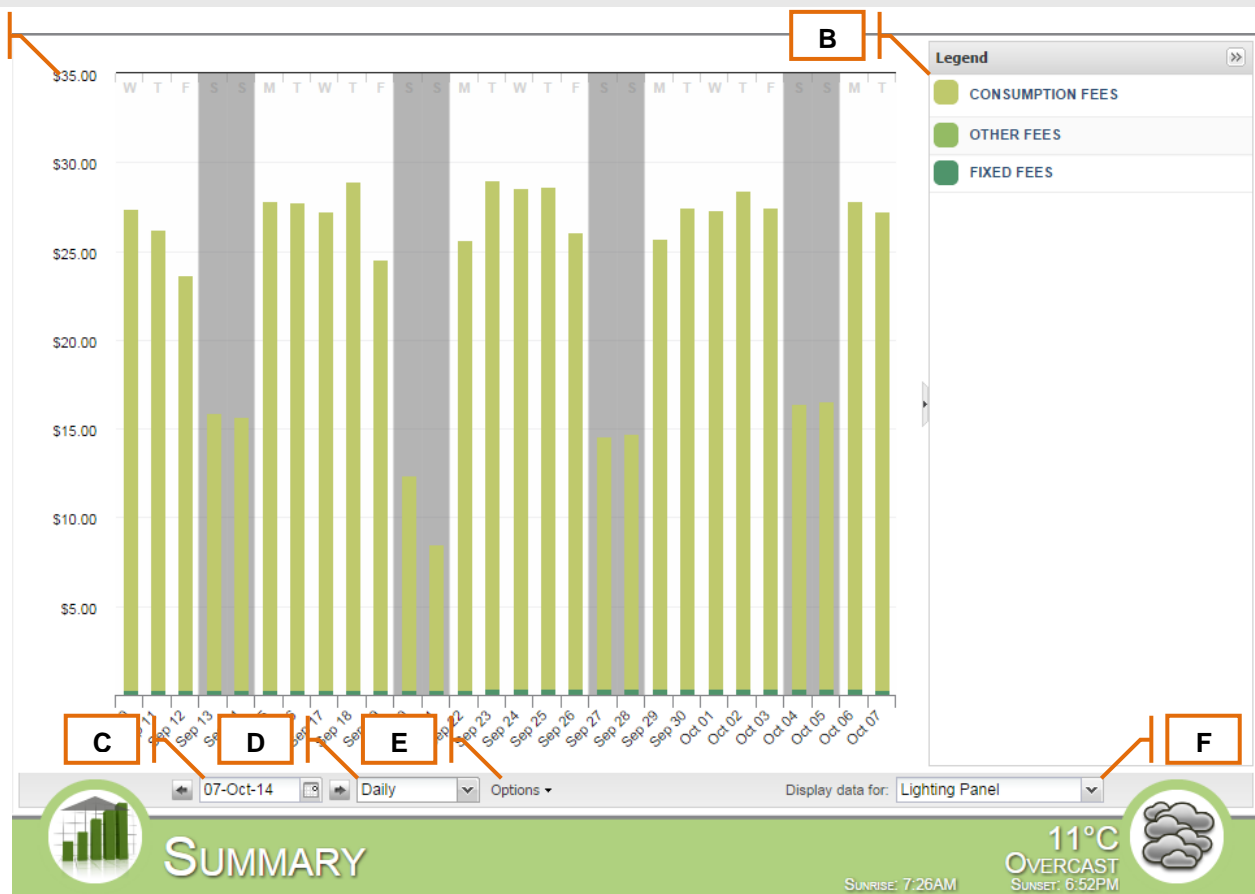


Function	Description
A	Detailed Timeline Graph Shows the real-time (or historical) electrical data for all sensors of a selected display group. Use your mouse to select regions of the graph to zoom in on.
B	Detailed Timeline Graph Legend Used to toggle series on/off in the detailed timeline graph area. Also, displays current readings and most recent changes for all sensors on the selected alias.
C	Master Timeline Graph Shows the aggregate electrical data for the past week. Use your mouse to select area to display details for.
D	Date Selector Choose the date from which to display electrical consumption data. Changing this value will adjust the right most date of the master graph. By default this will be set to the current date.
E	Scale Selector Choose the scale of the detailed timeline graph. This option will also adjust the size of the selection window in the master graph area.
F	Options Menu Used to change display options for the detailed timeline graph. Options are: <ul style="list-style-type: none"> • Area Graph: to toggle between area and line graphs. • Plot Bands: to toggle rate plot bands on/off. Plot bands are only applicable when the current rate profile is time-of-use. • Show Aggregate: Displays data for all sensors in the display group aggregated verses individually.
G	Resume Updates Button If currently viewing historical data, will force selection window to the current time and resume live updates.
H	Display Group Display Group to show data for. Only displayed if more than one Display Group exists.

MYEYEDRO MOBILE: LIVE

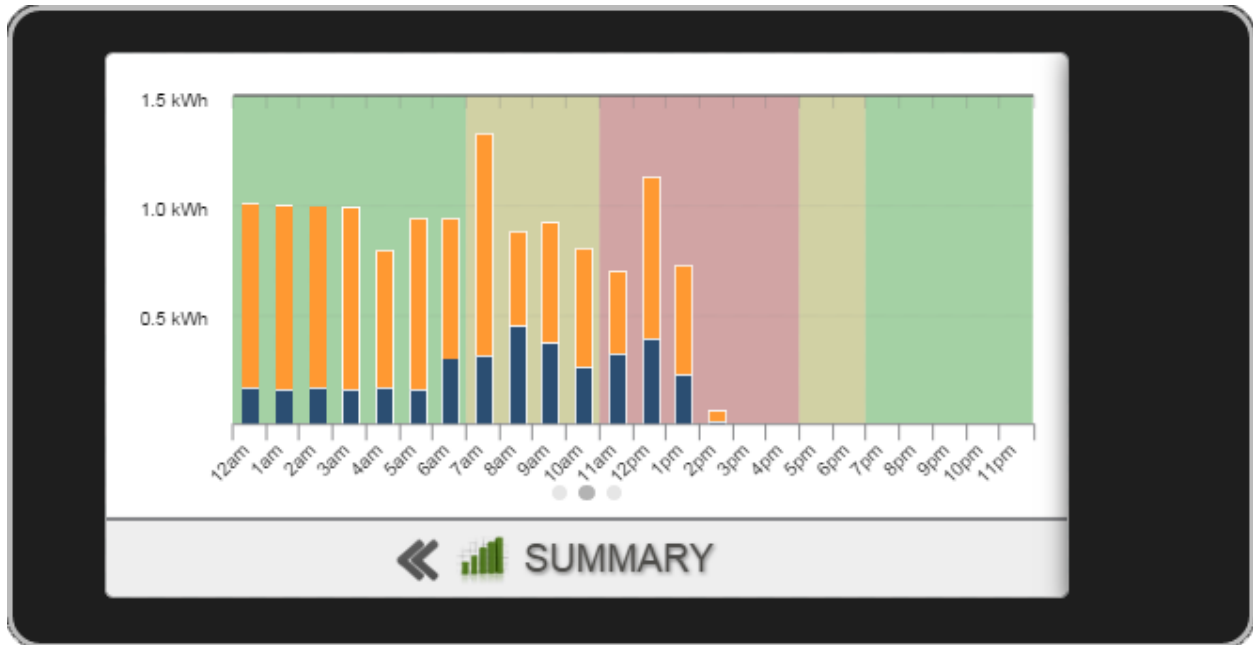


SUMMARY

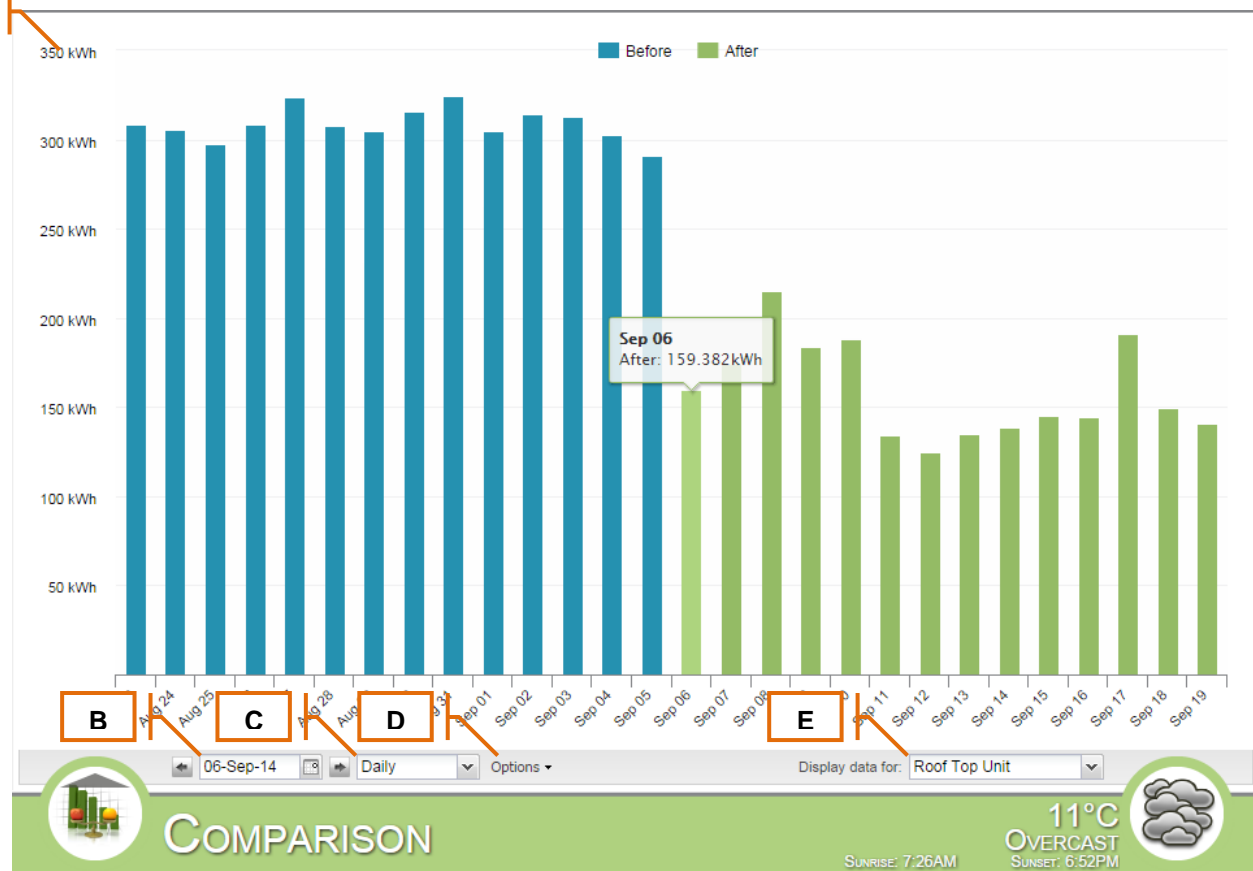


	Function	Description
A	Summary Graph	Shows hourly, daily, weekly, or monthly historical data for all sensors of a selected display alias.
B	Legend	Used to toggle series on/off in the summary graph area.
C	Date Selector	Choose the date for which to display data. By default this will be set to the current date.
D	Scale Selector	Choose the scale of the historical graph.
E	Options Menu	Used to change display options for the summary graph. Options are: <ul style="list-style-type: none"> Cost/Consumption: Toggle display between cost and consumption Stack Columns: Determine if the values for each sensor will be stacked on top of each other or side-by-side. By default, this value is selected. Hourly TOU Bands: Displays time-of-use bands when viewing data in hourly (or less) scale.
F	Display Group	Display Group to show data for. Only displayed if more than one Display Group exists.

MYEYEDRO MOBILE: SUMMARY

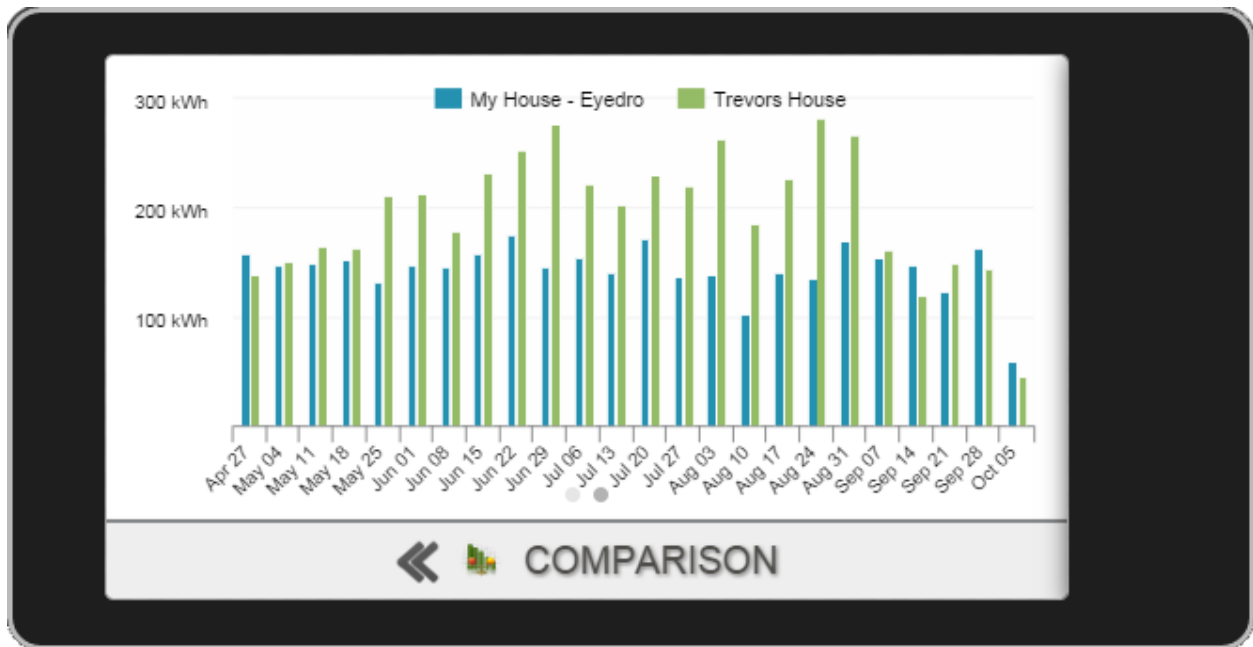


COMPARISON

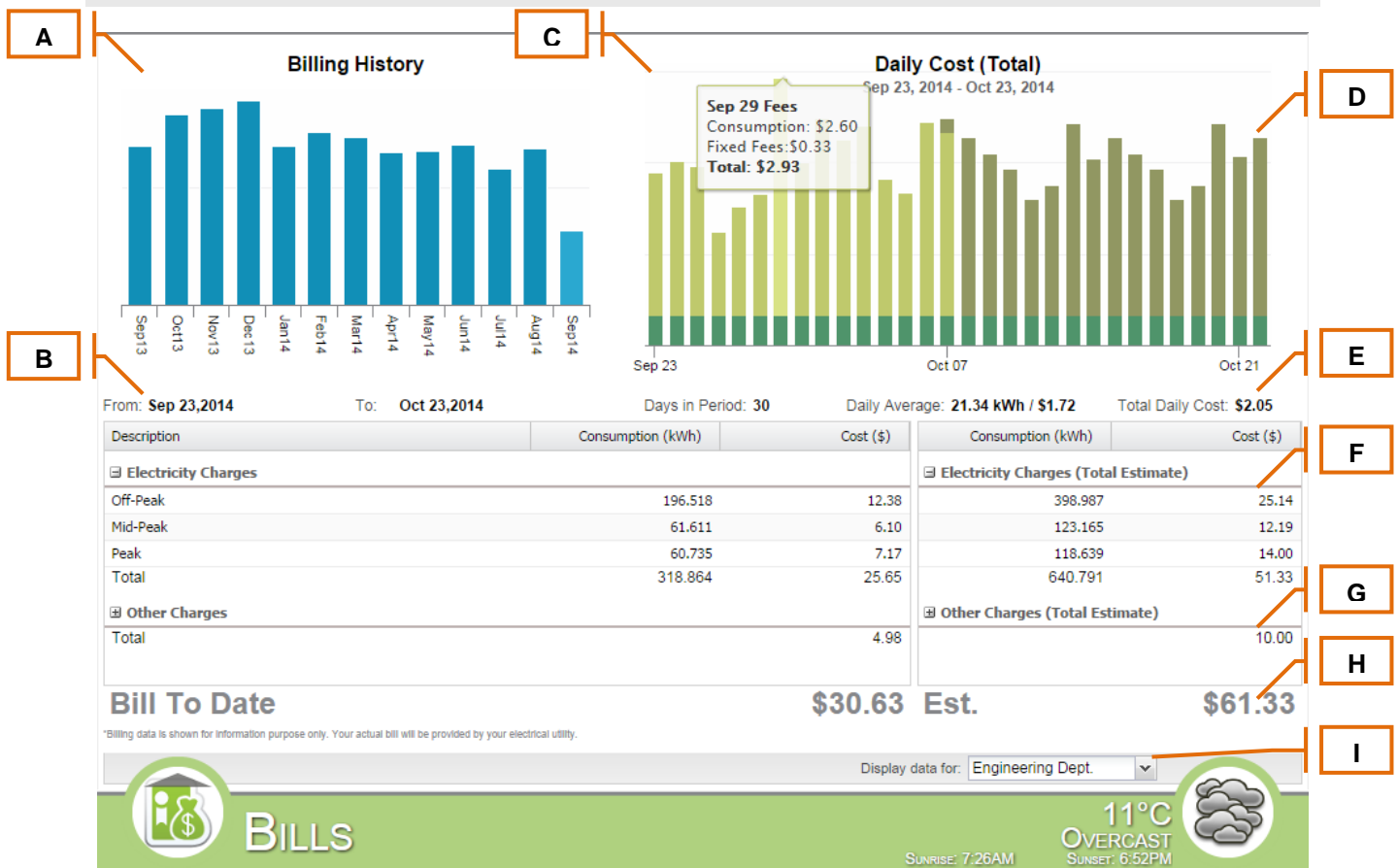


Function	Description
A Comparison Graph	Similar to the summary graph plugin, this plugin shows before and after comparison of hourly, daily, weekly, or monthly historical data for all sensors of a selected display alias – from a selected point of interest.
B Date Selector	Choose the date for which to display data. By default this will be set to the current date.
C Scale Selector	Choose the scale of the historical graph.
D Options	Used to change display options for the comparison graph. Options are: <ul style="list-style-type: none"> • Cost/Consumption: Toggle display between cost and consumption • Before/After: Allows comparison before and after a key date of interest. Useful when trying to quantify and visualize energy savings projects. • Compared To: Allows comparison between two different display groups. Handy when you want to compare consumption between users who have shared their systems with you.
E Display Group	Display Group to show data for. Only displayed if more than one Display Group exists. Note: when Alias to Alias comparison is selected, you will be presented with two alias pickers to choose for your comparison.

MYEYEDRO MOBILE: COMPARISON

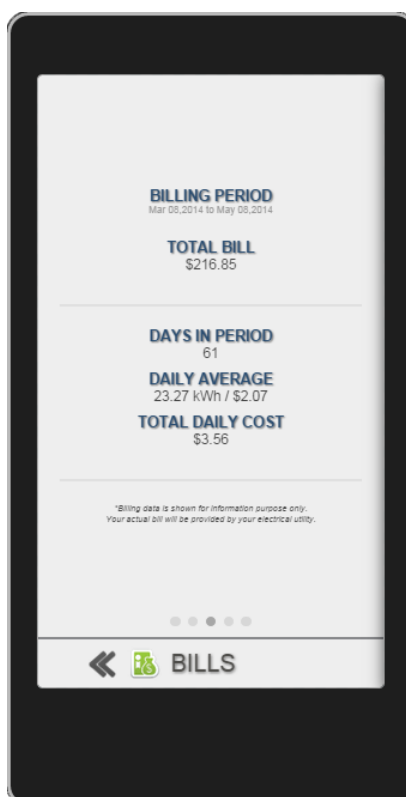
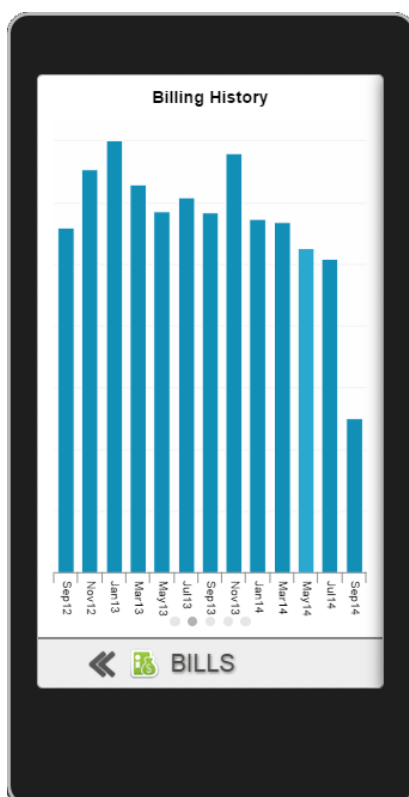
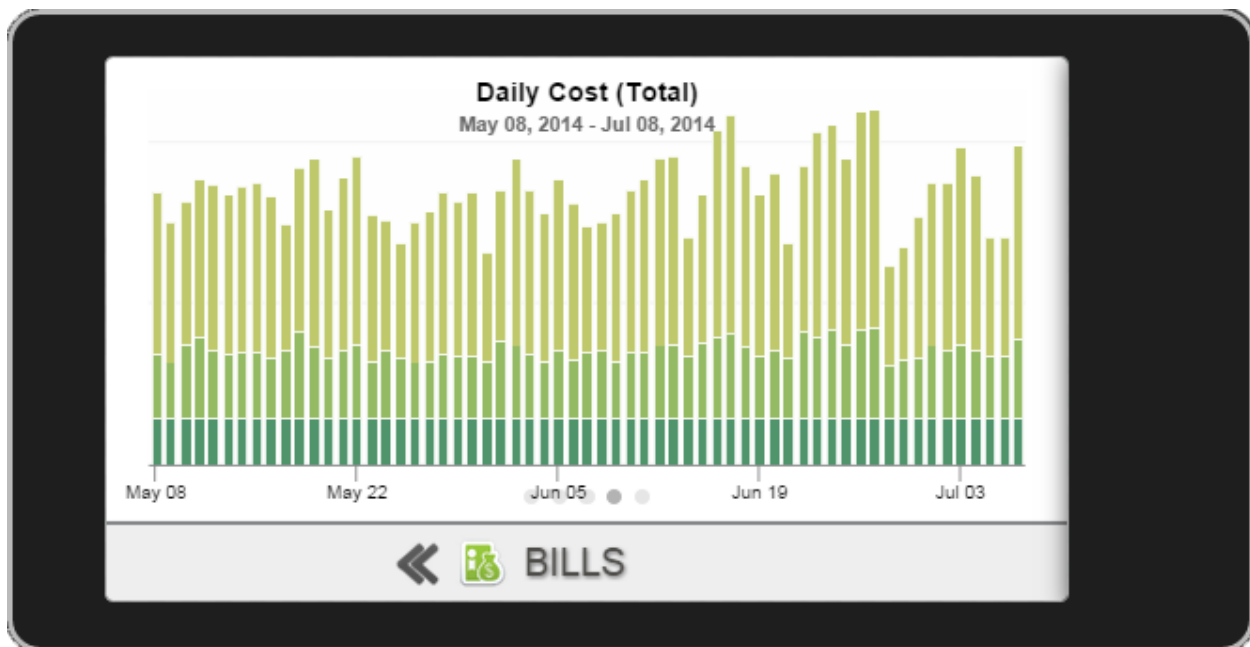


BILLS




Function	Description
A Billing History	Shows the last several billing periods in a column chart. Click on any of the columns to retrieve the details for that period.
B Bill Period	Displays the From and To dates that are currently being used to compute the billing period information shown in the controls on the right side of the page.
C Electricity Cost Graph	Displays total cost information for each day in the billing period. When displaying the current billing period, this graph also shows projected electricity costs.
D Electricity Cost Details	Hover over any of the columns to retrieve the cost breakdown details for that day. Costs information is based on your defined rates.
E Bill Period Statistics	Statistics from the billing period.
F Electricity Charges	Displays electrical consumption totals and costs associated. The costs are calculated based on the period using electricity rates provided in the Rate Configuration dialog. Click on the + button beside the header to expand the Electricity Charges.
G Other Charges	Displays all other charges incurred for the bill period. The costs are calculated based on the period using the Adjustments provided in the Rate Configuration dialog. Click on the + button beside the header to expand the Other Charges.
H Total Charges	Displays the total charges estimated for the billing period.
I Display Group	Display Group to show data for. Only displayed if more than one Display Group exists.

MYEYEDRO MOBILE: BILLS



Bill Details	
Electricity Charges OFF-PEAK 392.959 kWh	\$29.47
Electricity Charges MID-PEAK 120.034 kWh	\$13.44
Electricity Charges PEAK 111.650 kWh	\$15.07
Other Charges FIXED FEES	\$17.35
Other Charges VARIABLE FEES	\$11.79
Other Charges ADJUSTED FEES	\$11.00

«  **BILLS**

REPORTS

A

B

C

WEEKLY ELECTRICITY USAGE SUMMARY

For the week of Sep 14 - Sep 20

Sales Dept.

\$11.23

▼ 25.3%

\$1.60

(Tue) **\$2.01**

119.69 kWh

▼ 26.3%

17.099 kWh

19.868 kWh (Tue)

Sep 14 - Sep 20

vs. previous week

daily average

peak

Your estimated bill is \$157.85 (for the period starting September 8, 2014)

Choose your report...

Date	Title
2014-Sep-14	Weekly Summary
2014-Sep-07	Weekly Summary
2014-Aug-31	Weekly Summary
2014-Aug-24	Weekly Summary
2014-Aug-17	Weekly Summary
2014-Aug-10	Weekly Summary
2014-Aug-03	Weekly Summary
2014-Jul-27	Weekly Summary
2014-Jul-20	Weekly Summary
2014-Jul-13	Weekly Summary
2014-Jul-06	Weekly Summary
2014-Jun-29	Weekly Summary
2014-Jun-22	Weekly Summary
2014-Jun-15	Weekly Summary
2014-Jun-08	Weekly Summary
2014-Jun-01	Weekly Summary
2014-May-25	Weekly Summary
2014-May-18	Weekly Summary
2014-May-11	Weekly Summary
2014-May-04	Weekly Summary

Office Fridge

\$0.74

▼ 22.8%

\$0.11

(Fri) **\$0.15**

7.810 kWh

▼ 27.9%

1.116 kWh

1.391 kWh (Fri)

Sep 14 - Sep 20

vs. previous week

daily average

peak

Your estimated bill is \$10.09 (for the period starting September 8, 2014)

REPORTS

22°C CLEAR

SUNRISE: 7:12AM SUNSET: 7:13PM


	Function	Description
A	Selected Report	Displays the currently selected report.
B	Available Reports	Displays the list of all available reports.
C	Print	Prints the currently selected report

MYEYEDRO MOBILE: REPORTS



PHANTOM ENERGY

A



PHANTOM ENERGY

Phantom Energy, Phantom Power, Phantom Load, Vampire Power... whatever you want to call it... is the electricity consumed by appliances when they are turned off.

These "Phantoms" can account for **10% of your annual electricity consumption!**

HOW DO I IDENTIFY THE "PHANTOMS"?

- Appliances with remote controls (TV, Video and Audio Equipment)
- Appliances with continuous digital displays (Clock on Stove, Coffee Maker)
- Appliances with rechargeable batteries (Cordless Phones, Laptops)
- Appliances with external power supplies (Cell Phone Chargers, Electronics)

HOW DO I GET RID OF THE "PHANTOMS"?

- Plug devices into power strips - and turn them off
- Unplug appliances when not in use
- Use clocks powered by rechargeable batteries
- When buying new appliances, choose appliances with low standby power


Minimum Demand
past 24 hours

9.72 KW

that's equivalent to
\$7298.37 (85112 kWh)
per year


B

C




D

Display data for: Lighting Panel



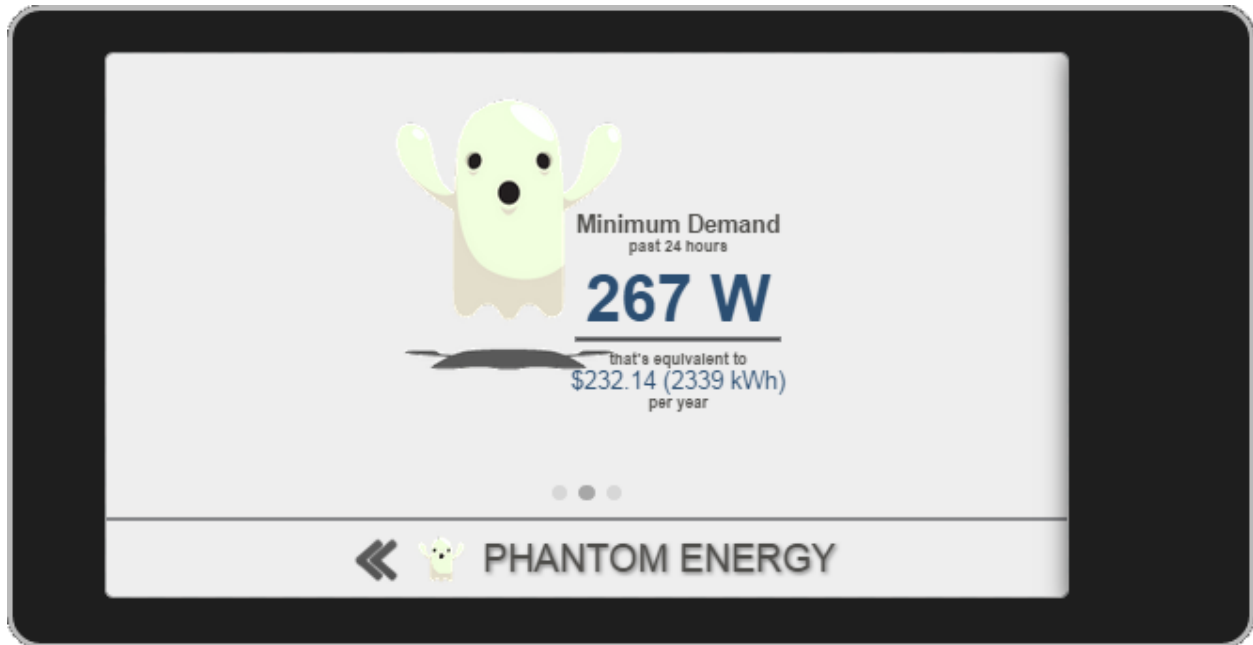
PHANTOM ENERGY

22°C
CLEAR
SUNRISE: 7:12AM
SUNSET: 7:13PM



	Function	Description
A	Phantom Power Tips	Provides useful tips on how to identify and reduce the phantom power load of the building.
B	24 Hour Minimum	The minimum (aggregate) power measurement in the past 24 hours.
C	Minimum Yearly Projection	Projects the 24 hour minimum over the span of an entire year to produce annual consumption and cost. Uses an average hourly rate to project cost.
D	Display Group	Display Group to show data for. Only displayed if more than one Display Group exists.

MYEYEDRO MOBILE: PHANTOM ENERGY



WHAT'S IT COST

WHAT'S IT COST?

Use this tool to estimate what it costs to run typical household appliances.

A

Common Devices:

B

Miscellaneous: Motor - 1 hp

C

How much does it draw:

746

Watts

D

How long is it on:

15

Minutes

E

How often is it on:

1

per Hour

F

Calculate

Daily:

\$0.38 (4.5 kWh) per day

Weekly:

\$2.69 (31.3 kWh) per week

Monthly:

\$11.51 (134.3 kWh) per month

Yearly:

\$140.09 (1633.7 kWh) per year

*Based on your average hourly rate of 8.57 ¢/kWh



WHAT'S IT COST

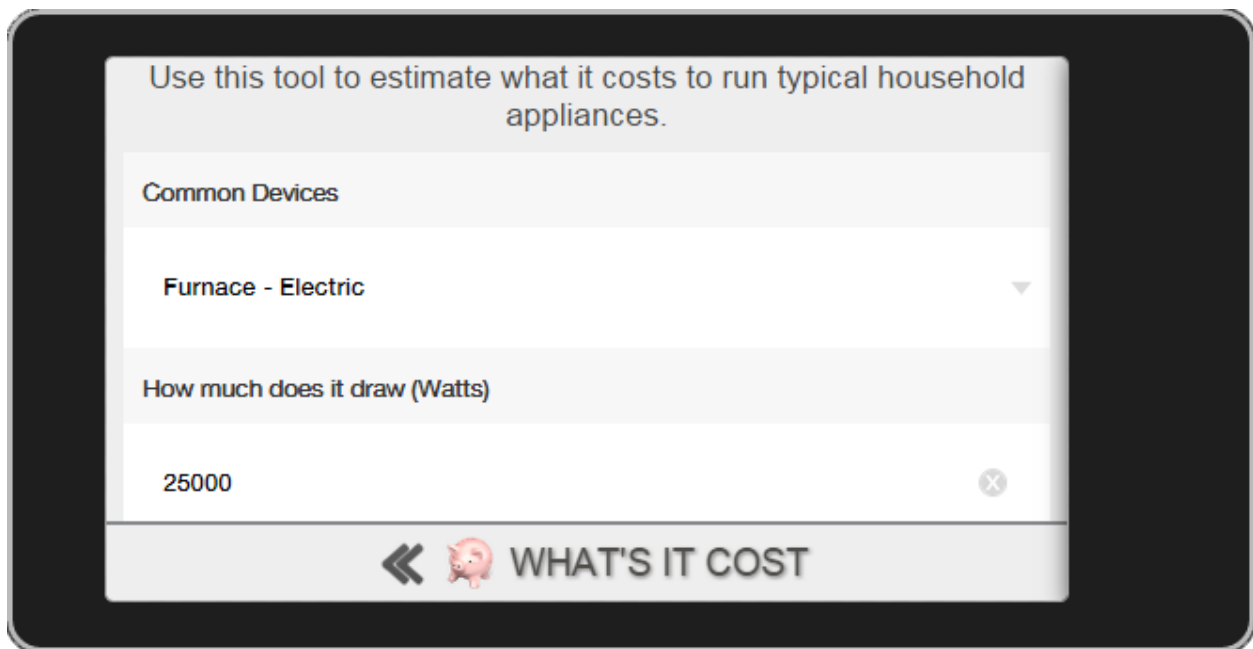
SUNRISE: 7:12AM

22°C
CLEAR
SUNSET: 7:13PM



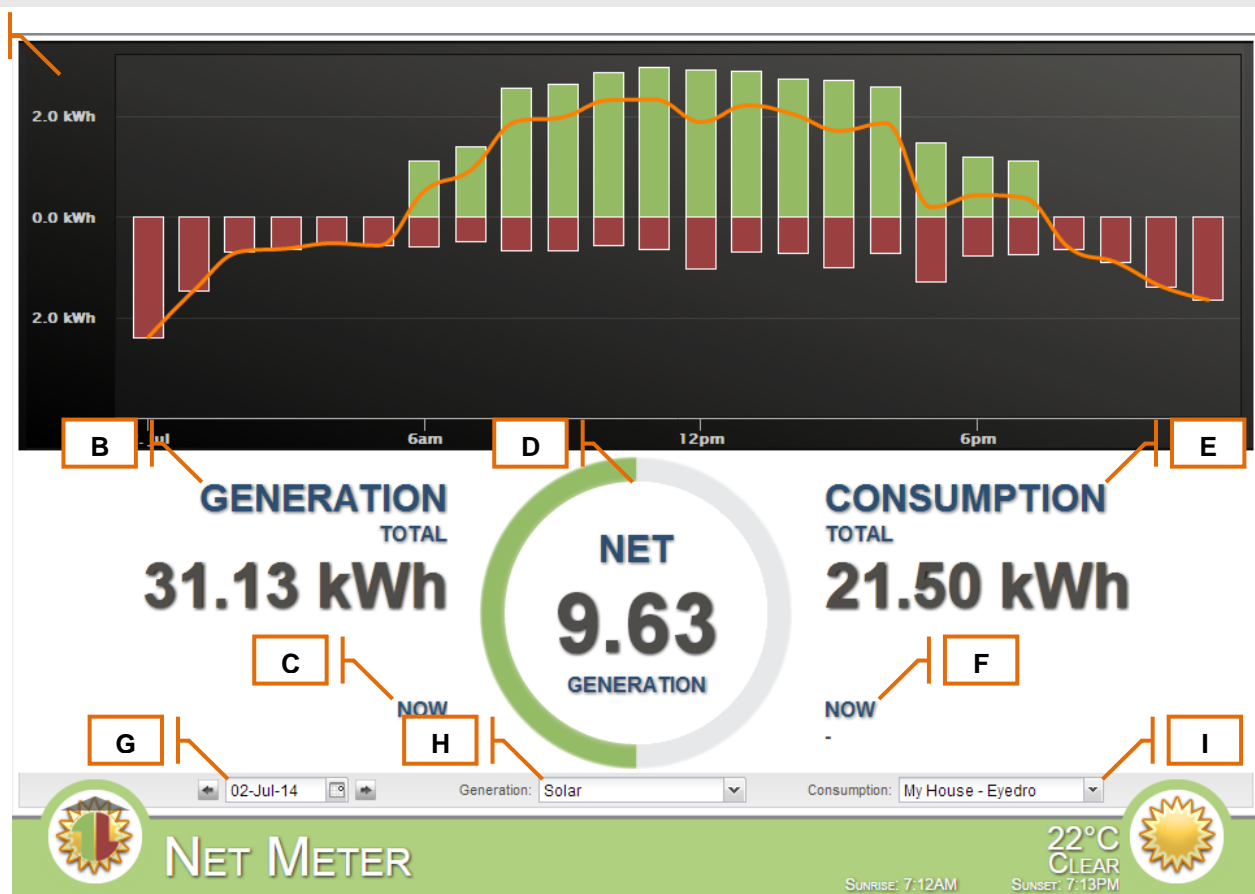
	Function	Description
A	Common Devices	A list of common devices found in buildings and homes. Selecting a device from this list will populate the consumption field.
B	Consumption	Typical consumption for a device selected from the list. Can be manually set and adjusted if your particular device consumption is different.
C	Duration	How long the device is on (typical).
D	Cycle	The number of times the device is on in a given time period (typical).
E	Calculate	Run the calculation based on the information entered into the various parameters.
F	Results	Calculated results for various time spans.

MYEYEDRO MOBILE: WHAT'S IT COST



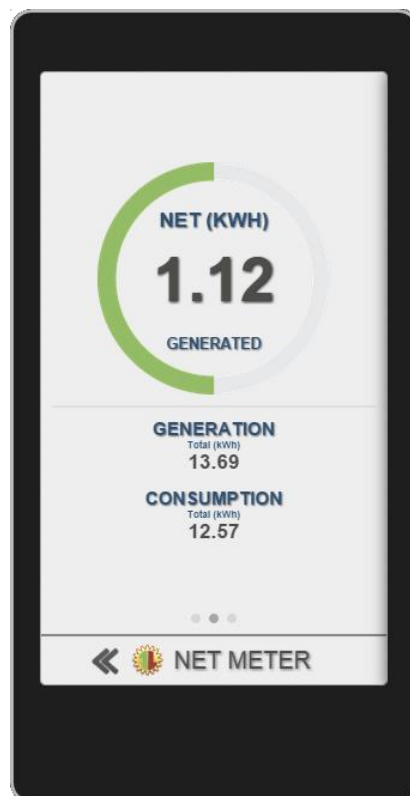
The screenshot shows a mobile application interface for estimating the cost of running household appliances. The interface is displayed on a dark background, possibly a tablet. At the top, a light gray box contains the text: "Use this tool to estimate what it costs to run typical household appliances." Below this, there is a section titled "Common Devices" in a light gray header. Under this header, a white box displays "Furnace - Electric" with a downward-pointing triangle to its right, indicating a dropdown menu. Below the device selection, another light gray header asks "How much does it draw (Watts)". Under this header, a white box displays the number "25000" with a small circular 'x' icon to its right, likely for clearing the input. At the bottom of the interface, there is a light gray bar containing a double-left arrow icon, a small pink piggy bank icon, and the text "WHAT'S IT COST".

NET METER



	Function	Description
A	Net Graph	Chart displaying the generation (green), consumption (red) and net (orange).
B	Total Generation	Hourly summation of the generation over the selected date
C	Current Generation	Current instantaneous generation reading.
D	Net	Difference between generation and consumption.
E	Total Consumption	Hourly summation of the consumption over the selected date
F	Current Consumption	Current instantaneous consumption reading.
G	Date Selector	Choose the date for which to display data. By default this will be set to the current date.
H	Generation Display Group	Display Group to use for the generation series. Only displayed if more than one Display Group exists.
I	Consumption Display Group	Display Group to use for the consumption series. Only displayed if more than one Display Group exists.

MYEYEDRO MOBILE: NET METER



APPENDIX B: SUPPORTED DEVICES

EYEDRO – ELECTRICITY MONITOR (E*EM1)

ADDING AN EYEDRO ELECTRICITY MONITOR

Add NEW Eyedro Hardware

Eyedro Green Solutions Inc.
 Model: EYEDRO-COMB v1.0
 For: Eyedro Electricity Monitor (EY-EM-100)

Serial Number

Input: 5VDC, 0-350mA Sensor: 0-5VDC, 0-100mA

Certified to:
 CSA-22.2 No. 61010-1
 UL 61010-1

RoHS Compliant

eyedro.com

Serial Number:
 003 - 00000

The Serial Number is a unique identifier for the Eyedro device. This can be found on the label on the back of each module.

Claim Device

[Visit Eyedro support](#)

Cancel

1. Following the [Adding a Device](#) instructions from this document, click on the **Add Device** button and choose Eyedro from the list.
2. Add your new hardware to your user account:
 - a. Enter the **Serial Number** from the back of the Eyedro Module.
 - **NOTE:** For wireless installations, only the serial number of the Sensor Module is required for this step.
 - b. Click **Claim Device**.
 - **NOTE:** On successful completion the Add New Hardware dialog will be closed and your new hardware will appear in your Devices list.
 - **NOTE:** A Display Group will be automatically created from the newly added hardware. This group will consist of all sensors in the new device.

DEVICE DETAILS

The screenshot shows the configuration interface for an Eyedro Wireless Electricity Monitor. The interface is divided into several sections:

- Device Label:** A text field containing "Eyedro Wireless Electricity Monitor" (Callout A).
- Device Attributes:**
 - Firmware:** Displays "V2.3.1" (Callout B).
 - Serial Number:** Displays "002-FFFFF" (Callout D).
 - Line Frequency:** Radio buttons for "60Hz" (selected) and "50Hz" (Callout E).
 - Sample Mode:** Radio buttons for "Change of State (default)" (selected) and "Polled" (Callout E).
- Wireless Status:** A green signal icon and "100%" (Callout C).
- Port A Configuration:**
 - Sensor Label (used in Display Groups):** A text field containing "Power (Port A)" (Callout F).
 - Sensor Type:** A dropdown menu set to "200A" (Callout F).
 - Voltage:** A text field containing "123.5" (Callout G).
- Port B Configuration:**
 - Sensor Label (used in Display Groups):** A text field containing "Power (Port B)".
 - Copy Settings from Port A:** A button.
 - Sensor Type:** A dropdown menu set to "200A".
 - Voltage:** A text field containing "123.7".
- Buttons:**
 - Save Changes:** A button with a floppy disk icon (Callout H).
 - Cancel Changes:** A button with a red X icon (Callout I).
- Footer:**
 - Visit Eyedro support:** A link with a question mark icon (Callout J).
 - Hide Advanced Settings:** A checkbox (Callout K).

Function	Description
A	Device Label The label that is displayed for the device. By default, this value is set to "Eyedro {Wireless} Electricity Monitor" but can be changed for easier identification.
B	Device Attributes Firmware: Displays the current firmware version of the selected device. Serial Number: Displays the serial number of the selected device. MAC Address: Displays the MAC Address of the device. The MAC Address is only shown for devices with an Ethernet port on it.
C	Wireless Status The most recent wireless signal quality measurement reported from the module. NOTE: This section will only be displayed for wireless devices . NOTE: This value is signal quality NOT signal strength . If there is no wireless communication between devices, this value will read 0 regardless of signal strength.

D	Device Parameters (Advanced)	<p>Line Frequency: Do not modify this parameter unless you are in a country/region that has a 50Hz line frequency. <i>For North American installations this value should be set to 60Hz.</i></p> <p>Sample Mode: Changes the method used to sample data. Change of State (COS) only sends data when it detects a change in value. Polled mode sends readings at a fixed interval. The default sample mode is COS and should not be modified unless instructed to do so. If set incorrectly, this setting can have a significant impact on system bandwidth and responsiveness.</p> <p>Poll Rate: When Sample Mode is set to Polled, this specifies the polling rate used for all sensors. Valid settings are between 10 and 900 seconds. Default is 30 seconds.</p> <p>NOTE: These settings will only be displayed if the Hide Advanced Settings option is unchecked.</p>
E	Sensor Status	<p>Displays the most recent measurement for the sensor port.</p> <p>NOTE: These sections will only be displayed for devices with sensors.</p>
F	Sensor Parameters	<p>Sensor Label: The label that is used to uniquely identify the sensor. This label will be visible in all Display Groups that you create. By default, this value is set to "Power (Port A B C)" but can be changed for easier identification.</p> <p>Copy Settings From Port A B: Use this button to quickly copy settings from the previous sensor port. All settings except the Sensor Label are copied.</p> <p>Sensor Type: Choose the correct sensor type from the drop-down list. This value will impact the readings from the hardware if chosen incorrectly.</p> <p>Voltage: This value should be set to your average line voltage. It can be measured with a multimeter at the time of installation, following the instructions in the Product Manual, or set to the typical value for your country/region. For typical North American residential installations this value should be approximately 120V. For 3-phase commercial applications, visit the support page to view FAQs for correct voltage settings.</p> <p>NOTE: These sections will only be displayed for devices with sensors.</p>
G	Sensor Parameters (Advanced)	<p>Configuration: Choose between '3-Phase Delta' and 'Other'. If the service or load being monitored is a 3-Phase Delta configuration, choose this option. For all other applications (3-Phase Wye or Single Phase), choose the 'Other' option. 'Other' is selected by default.</p> <p>Power Factor: Allows you to specify the power factor that is applied when computing power (from the constant voltage and measured current). Must be a value between 0 and 1 with 0.9 being a typical setting for an average residential application.</p> <p>Multiplier: Used to provide an additional multiplier on the computed power. For example if a sensor is clamped on a single conductor of a parallel feed. This value is set to 1 by default.</p> <p>NOTE: These settings will only be displayed for devices with sensors and if the Hide Advanced Settings option is unchecked.</p> <p>NOTE: Do not modify these values unless you understand their purpose as they will have a direct effect on all measurements reported from that point forward.</p>

MYEYEDRO USER GUIDE

H	Save Changes	Click this button to apply any changes made. NOTE: Some changes will require commands be sent to the device – make sure the device is active before applying changes.
I	Cancel Changes	Click this button to cancel any changes made. It will reload all the parameters with the last saved values and refresh the display.
J	Support Link	Click this link to visit the Eyedro.com support site (http://eyedro.com/support).
K	Hide Advanced Settings	Show/hide the advanced settings. NOTE: By default this option is checked so only the most commonly adjusted parameters are displayed.

BLUE LINE – POWERCOST MONITOR

ADDING A POWERCOST MONITOR

1. Following the [Adding a Device](#) instructions from this document, click on the **Add Device** button and choose Eyedro from the list.
2. Add your new hardware to your user account:
 - a. Enter the **MAC Address** from the back of the PowerCost Monitor WiFi Gateway.
 - **NOTE:** For wireless installations, only the serial number of the Sensor Module is required for this step.
 - b. Click **Claim Device**.
 - **NOTE:** On successful completion the Add New Hardware dialog will be closed and your new hardware will appear in your Devices list.
 - **NOTE:** A Display Group will be automatically created from the newly added hardware. This group will consist of all sensors in the new device.

DEVICE DETAILS

A Device Label: PowerCost Monitor

B MAC Address: 00:1E:C0:0B:9C:C0

C Wireless Status: 99%

D Outdoor Temperature: 11°C
Note: direct sunlight may effect accuracy.

E Battery Level: NORMAL
☐ Alert me when battery is low

F Sensor Label (used in Display Groups): Power
1.26 kW

G Save Changes

H Cancel Changes

I Visit Blue Line support

Function	Description
A Device Label	The label that is displayed for the device. By default, this value is set to "PowerCost Monitor" but can be changed for easier identification.
B Device Attributes	MAC Address: Displays the MAC Address of the device.
C Wireless Status	The most recent wireless signal quality measurement reported by the device.
D Outdoor Temperature	The temperature measured at the sensor location (at the electricity meter). NOTE: if your sensor is exposed to direct sunlight it will read higher than normal while the sun is shining directly on the sensor unit.
E Battery Level	Displays the current battery level reported by the sensor unit. NOTE: If the battery condition is reported as "LOW", the batteries in the sensor device should be changed as soon as possible to avoid loosing data.

MYEYEDRO USER GUIDE

F	Sensor Parameters	Sensor Label: The label that is used to uniquely identify the sensor. This label will be visible in all Display Groups that you create. By default, this value is set to "Power" but can be changed for easier identification. Power Reading: This value displays the last power measurement received from the sensor unit.
G	Save Changes	Click this button to apply any changes made.
H	Cancel Changes	Click this button to cancel any changes made. It will reload all the parameters with the last saved values and refresh the display.
I	Support Link	Click this link to visit the Blue Line support site (http://www.bluelineinnovations.com/support-troubleshooting).